



Formazione

- 7.8 **Laurea in Fisica** (quadriennale) il 7 Maggio 2003 presso la Facoltà di Scienze MM.FF.NN dell'Università degli Studi di Messina.
- 7.8 **Dottorato di Ricerca in Fisica** (XIX ciclo) triennio 2003-2006 presso l'Università degli Studi di Messina.
- 7.8 “Saber Operator Training (advanced training)” conseguito presso l'Istituto di Ricerca E.R.S.F. di Grenoble (Francia) il 31 Marzo 2006, sugli argomenti: “Theory of operation, Laser safety for class IV, Daily use operation, Basic alignment optics swap”, rilasciato dalla società COHERENTE FRANCE, necessario e abilitante all'uso del Laser di potenza utilizzato nell'esperimento GRAAL.

Concorsi

- 7.8 Valutazione interna per la posizione di Professore Associato Fis/04 30/10/2018.
- 7.8 Compenso premiale dell'Università di Messina per gli anni 2017/2018 attribuito con D.R. 2702/2018 del 06/12/2018.
- 7.8 Beneficiario del finanziamento FFABR 2017 – Ricercatori (GU n.297 del 21-12-2016 - Suppl. Ordinario n. 57).
- 7.8 Posizione di Ricercatore a Tempo Determinato Senior - art. 24, comma 3, lett. b) della legge 30 dicembre 2010, n. 240 - presso il Dipartimento di Fisica e di Scienze della Terra dell'Università degli Studi di Messina, 11 Settembre 2015.
- 7.8 Posizione di Ricercatore a Tempo Determinato Junior - art. 24, comma 3, lett. a) della legge 30 dicembre 2010, n. 240 - presso il Dipartimento di Fisica e di Scienze della Terra dell'Università degli Studi di Messina, 28 Novembre 2014.
- 7.8 Contratto di Docenza per il corso di “Didattica della Fisica e Laboratorio di Didattica della Fisica III” per il TFA classe A038 presso l'Università degli Studi di Messina (2013).
- 7.8 Borsa di Studio bandita dal Centro Siciliano di Fisica Nucleare e Struttura della Materia di Catania presso il Dipartimento di Fisica dell'Università di Messina (2012).
- 7.8 Borsa di Studio presso il Dipartimento di Fisica dell'Università degli Studi di Messina (2011).
- 7.8 Assegno di Ricerca, ai sensi del 6° comma dell'Art.51 della Legge 27.12.1997, N. 449, di durata quadriennale presso il Dipartimento di Fisica dell'Università degli Studi di Messina (2007).
- 7.8 Borsa di studio per il corso di Dottorato di Ricerca in Fisica presso l'Università degli Studi di Messina (2003).

Incarichi, Titoli Accademici ed Abilitazioni

- 7.8 **Professore Associato (FIS/04 – 02/A1)** presso L'Università degli Studi di Messina **dal 1/12/2018.**
- 7.8 **Ricercatore a Tempo Determinato Senior** - art. 24, comma 3, lett. b) della legge 30 dicembre 2010, n. 240 - presso il Dipartimento di Scienze Chimiche, Biologiche, Farmaceutiche ed Ambientali dell'Università degli Studi di Messina **dal 1/12/2015 al 30/11/2018..**
- 7.8 Componente dei Collegi dei Docenti dei corsi di Laurea Triennale e Magistrale in Fisica dell'Università di Messina dall'anno accademico 2015-2016 a oggi.
- 7.8 Componente del Collegio dei Docenti e Docente referente per l'area di Fisica Nucleare e Subnucleare **del Dottorato di Ricerca** in Fisica presso l'Università di Messina dal 2013/2014 a oggi.
- 7.8 Invitato come “Visiting Professor” presso l'Università Statale di Novosibirsk (Russia) durante l'anno 2015.
- 7.8 **Ricercatore a Tempo Determinato Junior** - art. 24, comma 3, lett. a) della legge 30 dicembre 2010, n. 240 - presso il Dipartimento di Fisica e di Scienze della Terra dell'Università degli Studi di Messina **dal 30/12/2014 al 31/11/2015.**
- 7.8 **Abilitazione Scientifica Nazionale** alle funzioni di professore di seconda fascia nel settore concorsuale 02/A1, con validità dal **28/11/2014 al 28/11/2020.**
- 7.8 Ricercatore a contratto del Centro Siciliano di Fisica Nucleare e Struttura della Materia di Catania presso il Dipartimento di Fisica e di Scienze della Terra dell'Università di Messina dal 24/05/2012 al 29/12/2014.
- 7.8 “Cultore della Materia” per il Settore Scientifico Disciplinare FIS/01 “Fisica I” presso la Facoltà di Scienze MM.FF.NN. dell'Università di Messina a decorrere del 27/06/2011 con validità triennale
- 7.8 Ricercatore a contratto dal 15/04/2011 al 15/09/2011 presso il Dipartimento di Fisica dell'Università degli Studi di Messina.
- 7.8 Ricercatore post-doc (**Assegno di Ricerca ai sensi del 6° comma dell'Art.51 della Legge 27.12.1997, N. 449**) **dal 2/4/2007 al 2/4/2011** presso il Dipartimento di Fisica dell'Università degli Studi di Messina.
- 7.8 **Dottore di Ricerca in Fisica** il 20 Febbraio 2007 presso la Facoltà di Scienze MM.FF.NN dell'Università degli Studi di Messina.

Attività didattica

Insegnamenti e seminari:

- 7.8 Docente titolare del corso “Laboratorio di Fisica Nucleare e Particellare”, corso di Laurea Magistrale in Fisica, anni accademici 2020/21, 2021/2022.
- 7.8 Docente titolare del corso “Metodi Elaborazione Dati”, corso di Laurea Triennale in Fisica, anno accademico 2019/2020, 2020/2021, 2021/2022.
- 7.8 Docente titolare del corso “Cinematica relativistica”, corso di Laurea Magistrale in Fisica, in programma per l'anno accademico 2018/2019, 2019/2020, e 2020/2021, 2021/2022.
- 7.8 Docente titolare del corso “Laboratorio di Informatica”, corso di Laurea Triennale in Fisica, anni accademici 2016/17, 2017/2018, 2018/2019, e 2019/2020.
- 7.8 Docente titolare del corso “Analisi dati”, corso di Laurea Magistrale in Fisica, in programma per l'anno accademico 2018/2019. Per il corso di Laurea Magistrale in Fisica e Magistrale in Matematica per l'anno accademico 2019/2020.
- 7.8 Docente titolare del corso “Laboratorio di Fisica Nucleare”, corso di Laurea Magistrale in Fisica, anni accademici 2015/16, 2016/17.

- 7.8 Docente titolare del corso “Reazioni Nucleari”, corso di Laurea Magistrale in Fisica, anni accademici 2014/15, 2015/16, 2016/17, 2017/2018.
- 7.8 Docente titolare del corso “Radioattività ed Ambiente”, corso di Laurea Triennale in Fisica, anni accademici 2014/15, 2015/16, 2016/17.
- 7.8 Docente per gli anni 2013-2018 dei corsi del Dottorato di Ricerca in Fisica:
 - 1) Rivelazione e analisi dei prodotti di reazione in Fisica Nucleare, Subnucleare e Astrofisica;
 - 2) Risonanze barioniche e sezioni d'urto adroniche in Fisica delle Particelle;
 - 3) Acquisizione, Elaborazione dei dati e procedure di simulazione nei processi nucleari.
- 7.8 Docente a contratto del corso TFA di Didattica della Fisica e Laboratorio di Didattica della Fisica III per la classe A038 presso l'Università degli Studi di Messina per l'anno accademico 2012/2013.
- 7.8 Attività didattica integrativa agli insegnamenti di “Fisica I b” Corso di Laurea Triennale in Fisica dal 2004 al 2013 e di “Reazioni Nucleari” Corso di Laurea Magistrale in Fisica dal 2005 al 2013 presso l'Università di Messina.
- 7.8 Ciclo di 14 seminari sulle attività svolte negli esperimenti condotti nelle facility DAFNE (Frascati) ed ELSA (Bonn) per gli studenti del corso di “Reazioni Nucleari” della Laurea Magistrale in Fisica presso l'Università di Messina durante l'anno 2012.

Supervisor delle tesi di Dottorato di Ricerca in Fisica presso l'Università di Messina:

- 7.8 Stefano Grazi “Studio dei raggi cosmici con il network EEE” in progress
- 7.8 Letterio Biondo “Meson Spectroscopy at JLAB” in progress
- 7.8 Antonina Rosano “Resonances at [ALICE@CERN](#)” in progress
- 7.8 Daniele Pistone “Applications of Monte Carlo simulation in internal dosimetry of radiopharmaceuticals employed in nuclear medicine”, in progress,
- 7.8 “The muon magnetic anomaly measurement of g-2 experiment at FermiLab”, Dr. Antonio Anastasi, 2017.
- 7.8 “Search for a light vector gauge boson in e^+e^- to $\mu^+\mu^-$ with the KLOE detector at $DA\Phi NE$ ”, Dr. Francesca Curciarello, 2014.
- 7.8 “Meson Photoproduction at GRAAL and BGO-OD Experiments”, Dr. Veronica De Leo, 2014.
- 7.8 “Meson photoproduction and baryon resonances at MAMBO experiment”, Dr. Mariia Romaniuk, 2013.

Relatore delle Tesi di Laurea Magistrale in Fisica presso l'Università di Messina:

- 7.8 Riggio Antonio “Risonanze barioniche con l’esperimento Graal” in progress
- 7.8 Maimone Angela “Simulazione dell’apparato Polar dell’esperimento EEE” in progress
- 7.8 Triolo Andrea Sofia “Characterization and commissioning of the new Inner Tracking System (ITS) of ALICE@CERN experiment” in progress
- 7.8 Fulci Antonino “Realization of a high luminosity muon beam at the Jefferson Lab” in progress
- 7.8 “Fotoproduzione di mesoni su neutrone a GRAAL”, Dott. Daniele Pistone (2018).
- 7.8 “Ricerca del possibile contributo della forza oscura nel processo $e^+e^- \rightarrow \pi^+\pi^-\gamma$ a KLOE”, Dott. Antonio Giannicola Colangiulo (2015).
- 7.8 Relatore esterno: “Calibrazione ad altissima precisione e test del calorimetro elettromagnetico per l’esperimento g-2 al Fermilab”, Dott. Antonio Anastasi (anno 2013);
- 7.8 Relatore esterno: “Studio dei processi elettrone-fotone elettrone-elettrone ed elettrone-positrone nell’ambito del progetto IRIDE”, Dott. Stefano Romeo (anno 2013) .
- 7.8 Relatore esterno: “Misure di asimmetria di fascio nella fotoproduzione di mesoni”, Dott.ssa Veronica De Leo (anno 2010);

Relatore delle Tesi di Laurea Triennale in Fisica

- Vincenzo Fiorentino “Ricerca di mediatore di forza oscura a KLOE-2” (2021)
- Chiara Ammendola “Simulazione dell'apparato EEE per la rivelazione dei raggi cosmici” (2021)
- Andrea Di Sarcina “Il metodo monte carlo e i generatori di eventi in fisica delle particelle” (2020)
- Alessandro Sturniolo “Misura di sezioni d’urto adroniche di collisioni p-p nell’esperimento alice a $\sqrt{s} = 13$ TeV” (2020)
- Francesco Brancato “Fotoproduzione di mesoni su nucleoni” (2019)
- Andrea Sofia Triolo “I muoni cosmici osservati attraverso i telescopi EEE” (2019).
- Antonino Fulci “Effetto Forbush Monitoraggio del flusso dei raggi cosmici presso l'esperimento EEE” (2019).
- Sonia Marrara “Ricerca del mediatore di forza oscura nei processi e+e- in $\mu\mu\gamma$ e $\pi\pi\gamma$ ” (2018).
- Giuseppe Arrò “Reazioni di fotoproduzione a BGO-OD”, (2016).
- Daniele Pistone “Fotoproduzione di η' su protone a GRAAL”, (2016).

Relatore delle Tesi di Laurea Triennale in Informatica presso l'Università di Messina:

- 7.8 Debora Barrile “Macro C++ in ambiente ROOT per l’elaborazione di dati di grosse dimensioni -caso Esperimento EEE”, (2021)

Co-Relatore delle Tesi di Laurea Triennale in Informatica presso l'Università di Messina:

- 7.8 Valerio Nania “Controllo di strumentazione scientifica ed elaborazione di dati sperimentali mediante codici Python in ambiente Linux”, (2017)
- 7.8 Alessandro Biondo “Acquisizione ed elaborazione di dati sperimentali in ambiente Linux su architetture INTEL e ARM” (2016)
- 7.8 Giuseppe De Franco “Studio e applicazioni di software libero per la gestione di strumenti di misura” (2016)
- 7.8 Elia Vincenzo Ardino “Simulazione di linee a microonde con software Open Source per calcolo scientifico”(2016)
- 7.8 Giuseppe Mastrovito “Analisi di processi di rilassamento non-esponenziale con software ROOT” (2016).
- 7.8 Dario Siracusa “Levitazione acustica” (2016).
- 7.8 Antonio Fugazzotto “Elaborazione di dati sperimentali con software ROOT per lo studio della costante dielettrica dei materiali” (2015).

Co-Relatore delle Tesi di Laurea Triennale in Matematica

- 7.8 Carmen Melania Calabro “Fenomeni transitori in circuiti RLC”, (2017).

Tutor del tirocinio studenti CdL Triennale in Fisica, presso il Laboratorio Informatico

- 7.8 Anno Accademico 2017/18 e 2018/19, Studenti: Enrico Celesti, Vincenzo Lo Presti, Salvatore Bilardi, Antonino Fulci, Andrea Sofia Triolo, Mariangela Ruggeri, Chiara Amendola, Francesco Brancato, Davide Giuliano.

Attività di ricerca

- Deputy-team leader del cluser UniMe dell'esperimento [ALICE@CERN](#), componente del gruppo di ricerca delle risonanze adroniche. Lo studio della produzione di $K^*(892)^\pm$ and $\Sigma^*(1385)$ analizzando i dati di ALICE a differenti tipi di collisione. Lo studio delle risonanze che hanno un tempo di vita dell'ordine del fm/c (comfrontabile con la scala dei tempi della produzione della "fireball" in collisioni ultra-relativistiche tra ioni pesanti) è particolarmente importante per caratterizzare la fase adronica in queste collisioni. In particolare, lo studio di risonanze con differenti tempi di vita media consente di esplorare a differenti scale di tempi sistemi densi e eccitati. La produzione delle risonanze dopo il "chemical freeze-out" può essere modificato da fenomeni di rigenerazione e rescattering tra i prodotti di decadimento. La competizione tra questi due effetti determina la produzione delle risonanze stesse. In questo lavoro di tesi, si propone di misurare gli spettri di momento trasverso e lo "yield" delle risonanze $K^*(892)^\pm$ and $\Sigma^*(1385)$ in differenti condizioni di centralità della collisione e con differenti coppie di reagenti. Queste risonanze hanno tempi di vita simili, 4fm/c e 5.5fm/c rispettivamente, e verranno ricostruite attraverso i loro principali modi di decadimento $K^0s+\pi^\pm$ and $\Lambda+\pi^\pm$. Nessuna misura per queste risonanze è stata effettuata in collisioni Pb-Pb a LhC. Recenti misure di produzione di risonanze K^* carico in collisioni pp hanno mostrato come queste siano uguali a quelle del K^* neutro, ma con sistematici decisamente più piccoli. È interessante poter confermare, con un migliore sistematico, la soppressione nella produzione del K^* neutro osservate in collisioni centrali tra ioni pesanti. È inoltre importante poter mostrare come nonostante il K^* e la Σ^* presentano tempi di vita media vicini tra loro, nessuna soppressione nella produzione è stata osservata per la risonanza Σ^* .
- Membro della collaborazione internazionale EEE, per lo studio dei raggi cosmici con l'utilizzo di telescopi per muoni a tecnologia MRPC. Responsabile locale per la simulazione della risposta del sistema a singolo telescopio.
- Misura della sezione d'urto adronica e dei fattori di forma attraverso il fenomeno della emissione di radiazione nello stato iniziale ISR nei collider e^+e^- (fisica del "continuo"), nell'ambito della collaborazione internazionale KLOE-2 presso la facility DAΦNE dell'INFN - Laboratori Nazionali di Frascati. In questo campo di ricerca il sottoscritto ha contribuito personalmente alla misura di precisione (~1%) via ISR del fattore di forma della doppia produzione di pioni normalizzato a quella dei muoni. Detta misura è particolarmente importante perchè consente di stimare il contributo adronico alla stima dell'anomalia magnetica del muone. Il sottoscritto ha contribuito inoltre come uno dei principali investigatori alla misura dell'upper limit al fattore di accoppiamento ϵ di un ipotetico mediatore di forza oscura U-boson nei processi e^+e^- in leptoni ed adroni (già pubblicati su Phys. Lett. B) e della ricerca nel canale combinato mmg e ppg in fase di referaggio interno da parte della collaborazione.
- Campo delle reazioni foto-nucleari indotte da fotoni di back-scattering di energia fino a 1.5 GeV (sorgente laser su elettroni di 6 GeV del ciclotrone) su protoni liberi (bersaglio di idrogeno liquido) e quasiliberi (bersaglio di deuterio liquido), su neutroni quasiliberi (bersaglio di deuterio liquido) e su nucleoni legati (bersaglio di Carbonio 12) per la produzione di mesoni π^0 , π^- , π^+ , η , ω , η' e ϕ e lo studio delle risonanze barioniche attraverso la determinazione degli osservabili di polarizzazione quali ad esempio l'asimmetria di fascio Σ (in collaborazione con INFN Sez. Roma2 Tor Vergata, INFN Sez. di Catania, ESRF Grenoble - Francia);
- In seno alla collaborazione Graal, il sottoscritto ha contribuito alle prime misure di asimmetria di fascio della fotoproduzione dei mesoni η e π^0 su neutrone, ed è stato il responsabile (main investigator) delle misure di asimmetria di fascio di π^- su neutrone di

η' su protone. Queste misure rappresentano un'importante sorgente di informazioni nel campo di ricerca delle risonanze barioniche, in quanto le misure di asimmetria su neutrone risultano completamente nuove ai modelli teorici esistenti, che hanno mostrato serie lacune nella capacità di tener conto di detti risultati. La misura in soglia dell'asimmetria dell' η' risulta anch'essa di notevole importanza in quanto è stato riscontrato un andamento oscillante attorno allo zero (contrariamente a quanto atteso sulla soglia di produzione) rivelando le possibili interferenze di risonanze del tipo P-D o S-F; tale misura è oggetto di grande interesse in questo campo di ricerca (arXiv:1407.6991 – Pubblicato su Eur. Phys. J A - 2015).

- Campo delle reazioni nucleari indotte da ioni pesanti per la sintesi dei nuclei pesanti e superpesanti con grandi valori di carica e massa (in collaborazione con il JINR di Dubna, INR di Tashkent - Uzbekistan).
In questa attività il sottoscritto ha contribuito allo sviluppo di modelli e codici per il calcolo delle sezioni d'urto dei residui di evaporazione, di fissione e di emissione di neutroni, protoni e particelle α durante la diseccitazione del nucleo composto. Tale ricerca ha determinato una costante produzione scientifica volta alla comprensione della dinamica di reazione nei processi di produzioni di elementi pesanti e superpesanti. Detta ricerca è di particolare importanza in quanto consente di stimare quali siano le condizioni ideali sperimentali di reazione (energia del fascio, asimmetria di carica e massa dei reagenti) per poter sintetizzare elementi superpesanti.
- Campo delle reazioni fotonucleari indotte da radiazione di bremsstrahlung di energia fino a 2.5 GeV e con fascio polarizzato circolarmente e linearmente (in collaborazione con INFN sez. Roma2 Tor Vergata Roma, INFN sez. Pavia, INFN Laboratorio Nazionale di Frascati, Università di Bonn – Germania);
- Campo dello studio della radiazione di Bremsstrahlung emessa in coincidenza con il decadimento (alpha, cluster, fissione) dei nuclei pesanti (in collaborazione con l'Institute for the Nuclear Reactions of the Moscow State University, Mosca- Russia e con l'Institute for Nuclear Research of the National Academy of Sciences of Ukraine, Kiev – Ucraina);
- Analisi sperimentale dei livelli di energia dei nuclei leggeri ${}^6\text{Li}$ e ${}^6\text{He}$ per mezzo delle reazioni nucleari indotte da particelle α su bersaglio di trizio nella collaborazione con l'INR di Kiev;
- Studi sul meccanismo di formazione dell'immagine sulla Sindone di Torino in collaborazione con il Prof. G. Fazio dell'Università di Messina.

Collaborazioni scientifiche

- ⌘ Collaborazione Internazionale KLOE-2 presso la facility DAFNE dell'INFN - Laboratori Nazionali di Frascati.
- ⌘ Collaborazione Internazionale ALICE @ CERN Ginevra (Svizzera).
- ⌘ Collaborazione Extreme Energy Events (EEE) - La Scienza nelle Scuole, Centro Fermi (Roma).
- ⌘ Collaborazione Internazionale BGO-OD presso il ciclotrone ELSA di Bonn (Germania).
- ⌘ Collaborazione Internazionale nell'ambito dell'esperimento GRAAL dell'INFN presso il laboratorio dell'European Synchrotron Radiation Facility (ESRF) Grenoble (France) (presa dati conclusa alla fine dell'anno 2008, analisi dati attualmente in corso su diversi canali di reazione).
- ⌘ Collaborazione con il Bogoliubov Laboratory del JINR di Dubna (Russia).

- ⌘ Collaborazione con l'Institute for Nuclear Research of the National Academy of Sciences of Ukraine, Kiev – Ucraina.

Responsabilità nelle collaborazioni scientifiche

- ⌘ Componente dell'**Institution** e del **Policy Board** dell'esperimento KLOE-2 presso la facility Dafne dei Laboratori Nazionali di Frascati dell'INFN.
- ⌘ Convener per l'hadron working group dell'esperimento KLOE-2.
- ⌘ Componente dello **Steering Committee** dell'esperimento BGO-OD presso la facility ELSA di Bonn.
- ⌘ Responsabile locale dei fondi di ricerca dell'esperimento KLOE presso l'INFN Sezione di Catania.
- ⌘ Responsabile locale dei fondi di ricerca dell'esperimento MAMBO presso l'INFN Sezione di Catania fino al 2016.
- ⌘ Responsabile nazionale per la simulazione dell'apparato sperimentale (BGO, Barrel, Multi-Wire Proportional Chambers, Multi Resistive Plate Chamber e dei bersagli criogenici di idrogeno o deuterio liquidi) dell'esperimento INFN-MAMBO in seno alla collaborazione internazionale BGO-OD presso la facility ELSA di Bonn.
- ⌘ Responsabile locale dell'analisi dati degli esperimenti GRAAL e BGO-OD: principale investigatore dei canali di reazione $\gamma n \rightarrow \pi^+ p$, $\gamma p \rightarrow \eta^+ p$ e co-responsabile per i canali di reazione $\gamma n \rightarrow \pi^0 n$, $\gamma n \rightarrow \eta n$.
- ⌘ Responsabile locale dell'analisi dati dell'esperimento KLOE-2: Misura della sezione d'urto adronica tramite il fenomeno della emissione radiativa nello stato iniziale (ISR) e ricerca delle “forze oscure” nei processi e^+e^- .
- ⌘ Co-Spoke-person per la Collaborazione BGO-OD della proposta di misura delle asimmetrie di fascio della fotoproduzione di η' su protone alla facility ELSA di Bonn, approvata dal PAC dei Laboratori ELSA-MAMI e dal titolo: “Beam asymmetry measurement of η' photoproduction off free proton at BGO-OD”.
- ⌘ Responsabile locale dell'analisi dati degli esperimenti realizzati per lo studio dello spettro di emissione gamma in coincidenza con il decadimento di nuclei pesanti in collaborazione con l'INR dell'Accademia delle Scienze dell'Ucraina di Kiev e lo Skobeltsyn Institute of Nuclear Physics della Lomonosov Moscow State University (Russia).
- ⌘ Responsabile locale dell'analisi dati e della simulazione per la determinazione dei parametri spettroscopici rilevanti dei livelli nucleari nei nuclei leggeri negli esperimenti condotti in collaborazione con l'INR di Kiev.

Organizzazione di Conferenze Internazionali

- ⌘ Co-chairman e Componente del Local Organizing Committee del International Workshop Detection Systems and Techniques in Nuclear and Particle Physics, Messina, Italia, 11-13 Settembre, 2019.
- ⌘ Co-chairman e Componente del Local Organizing Committee del 2nd International Workshop Nuclear Reactions on Nucleons and Nuclei, Messina, Italia, 25 Ottobre 2017
- ⌘ Componente dell'International Advisory Committee del XV INTERNATIONAL SEMINAR ON ELECTROMAGNETIC INTERACTIONS OF NUCLEI (EMIN-2018) October 8-11, 2018, Moscow, Russia

- 7.8 Co-chairman e Componente del Local Organizing Committee del Simposio Internazionale di Fisica delle Particelle "Advances in Dark Matter and Particle Physics" che si è tenuto a Messina nel periodo 24-27 Ottobre 2016.
- 7.8 Componente dell'“International Advisory Committee” della Conferenza Internazionale XIV “International Seminar on Electromagnetic Interactions of Nuclei”, che si è tenuta a Mosca (Russia) nel periodo 5-8 Ottobre 2015.
- 7.8 Co-chairman e Componente del Local Organizing Committee della Conferenza Internazionale di Fisica Nucleare e Subnucleare "Dark Matter, Hadron Physics and Fusion Physics" che si è tenuta a Messina nel periodo 24-26 Settembre 2014.
- 7.8 Co-chairman e Componente del Local Organizing Committee del Simposio Internazionale di Fisica delle Particelle "Lepton and Hadron Physics at Meson-Factories" che si è tenuto a Messina nel periodo 13-15 Ottobre 2013;
- 7.8 Co-chairman e Componente del Local Organizing Committee del Simposio Internazionale di Fisica Nucleare "Entrance Channel Effect on the Reaction Mechanism in Heavy Ion Collisions" che si è tenuto a Messina nel periodo 6-8 Novembre 2013.
- 7.8 Componente dell'International Advisory Committee della Conferenza Internazionale “International Symposium on Physics of Photons” (ISPP 13), tenutosi a Lanzhou (China), nel periodo 27-29 Settembre 2013.
- 7.8 Segretario Scientifico e Componente del Local Organizing Committee dell'International Seminar “Strong and Electromagnetic Interactions in High Energy Collisions” tenutosi a Messina il 12 Novembre 2012.
- 7.8 Segretario Scientifico e Componente del Local Organizing Committee del Workshop Internazionale “Meson Production at Intermediate and High Energies” tenutosi a Messina nel periodo 10-11 Novembre 2011.
- 7.8 Segretario Scientifico e Componente del Local Organizing Committee del Simposio Internazionale “Quasifission Process in Heavy Ion Reactions” tenutosi a Messina nel periodo 8-9 Novembre 2010.
- 7.8 Segretario Scientifico e Componente del Local Organizing Committee della Conferenza Internazionale “Nuclear Reaction on Nucleons and Nuclei” tenutasi a Messina nel periodo 5-9 Ottobre 2009.
- 7.8 Responsabile del sito web <http://newcleo.unime.it> del Gruppo di Ricerca di Fisica Nucleare e Sub-nucleare dell'Università di Messina contenente tutte le informazioni relative all'organizzazione degli eventi scientifici internazionali da parte di detto Gruppo di Ricerca.

Referee per le Riviste

- 7.8 Journal of Physics G - Nuclear and Particle Physics
- 7.8 Physical Review C
- 7.8 Nuclear Physics A
- 7.8 European Physical Journal A - Hadrons and Nuclei
- 7.8 Nuclear Instruments and Methods B - PROCEEDINGS
- 7.8 Central European Journal of Physics
- 7.8 Canadian Journal of Physics.

Co-Editore dei Proceedings delle conferenze

- 7.8 “Nuclear Reactions on Nucleons and Nuclei”, pubblicato sulla rivista internazionale Journal of Physics: Conference Series volume 1014 (2018).

- ⌘ “Advances in Dark Matter and Particle Physics”, pubblicato sulla rivista internazionale EPJ Web Conf. Volume 142, (2017)
- ⌘ “Dark Matter, Hadron Physics and Fusion Physics”, pubblicato sulla rivista internazionale EPJ Web of Conferences Volume 96 (2015).
- ⌘ “Lepton and Hadron Physics at Meson-Factories”, pubblicato sulla rivista internazionale EPJ Web of Conferences Volume 72 (2014).
- ⌘ “Entrance Channel Effect on the Reaction Mechanism in Heavy Ion Collisions”, pubblicato sulla rivista internazionale Journal of Physics: Conference Series volume 515 (2014).

Lista delle Pubblicazioni

Measurement of the $\gamma n \rightarrow K^0 \Sigma^0$ differential cross section over the K^* threshold

BGOOD Collaboration • [K. Kohl \(Bonn U.\)](#) et al.

e-Print: [2108.13319](#) [nucl-ex]

Photoproduction of $K^+ \Lambda(1405) \rightarrow K^+ \pi^0 \Sigma^0$ extending to forward angles and low momentum transfer

BGOOD Collaboration • [G. Scheluchin \(Bonn U.\)](#) et al.

e-Print: [2108.12235](#) [nucl-ex]

Prompt and non-prompt J/ψ production cross sections at midrapidity in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV

ALICE Collaboration • [Shreyasi Acharya \(Calcutta, VECC\)](#) et al.

e-Print: [2108.02523](#) [nucl-ex]

Inclusive J/ψ production at midrapidity in pp collisions at $\sqrt{s} \sim 13$ TeV

ALICE Collaboration • [Shreyasi Acharya \(Calcutta, VECC\)](#) et al.

e-Print: [2108.01906](#) [nucl-ex]

Coherent J/ψ and Υ' photoproduction at midrapidity in ultra-peripheral Pb–Pb collisions at $\sqrt{s_{NN}} \sim 5.02$ TeV

S. Acharya, D. Adamová, A. Adler, J. Adolfsson, G. Aglieri Rinella et al.

DOI: [10.1140/epjc/s10052-021-09437-6](#)

Published in: Eur.Phys.J.C 81 (2021) 8, 712

Measurement of the groomed jet radius and momentum splitting fraction in pp and Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2107.12984](#) [nucl-ex]

Measurements of the groomed and ungroomed jet angularities in pp collisions at $\sqrt{s} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2107.11303](#) [nucl-ex]

$K^{\{0\}}$ and (anti-) Λ -hadron correlations in pp collisions at $\sqrt{s} = 13$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2107.11209](#) [nucl-ex]

Polarization of Λ and $\overline{\Lambda}$ hyperons along the beam direction in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2107.11183](#) [nucl-ex]

Measurement of very forward energy and particle production at midrapidity in pp and p-Pb collisions at the LHC

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2107.10757](#) [nucl-ex]

Anisotropic flow of identified hadrons in Xe-Xe collisions at $\sqrt{s_{\text{NN}}} = 5.44$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2107.10592](#) [nucl-ex]

Hypertriton production in p-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2107.10627](#) [nucl-ex]

Production of $K^{\{*\}}(892)^{\{0\}}$ and $\phi(1020)$ in pp and Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2106.13113](#) [nucl-ex]

Direct observation of the dead-cone effect in QCD

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2106.05713](#) [nucl-ex]

Measurement of prompt D^0 , Λ_c^+ , and $\Sigma_c^{0,++}(2455)$ production in pp collisions at $\sqrt{s} = 13$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2106.08278](#) [hep-ex]

First demonstration of in-beam performance of bent Monolithic Active Pixel Sensors

ALICE ITS project Collaboration • G. Aglieri Rinella ([CERN](#)) et al.

e-Print: [2105.13000](#) [physics.ins-det]

Charm-quark fragmentation fractions and production cross section at midrapidity in pp collisions at the LHC

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2105.06335](#) [nucl-ex]

Kaon-proton strong interaction at low relative momentum via femtoscopy in Pb-Pb collisions at the LHC

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2105.05683](#) [nucl-ex]

Charged-particle multiplicity fluctuations in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2105.05745](#) [nucl-ex]

Experimental evidence for an attractive p- ϕ interaction

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2105.05578](#) [nucl-ex]

Measurement of the production cross section of prompt Ξ^0 baryons at midrapidity in pp collisions at $\sqrt{s} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2105.05616](#) [nucl-ex]

Measurement of $K^*(892)$ production in inelastic pp collisions at the LHC

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2105.05760](#) [nucl-ex]

Investigating the role of strangeness in baryon-antibaryon annihilation at the LHC

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2105.05190](#) [nucl-ex]

Inclusive, prompt and non-prompt J/ψ production at midrapidity in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2105.04957](#) [nucl-ex]

First measurements of N -subjettiness in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2105.04936](#) [nucl-ex]

Measurement of the cross sections of Ξ^0 and Ξ^+ baryons and branching-fraction ratio $BR(\Xi^0 \rightarrow \Xi^- e^+ \nu_e)/BR(\Xi^0 \rightarrow \Xi^- \pi^+)$ in pp collisions at 13 TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2105.05187](#) [nucl-ex]

Production of Λ and K^0_S in jets in p-Pb collisions at $\sqrt{s_{NN}} = 5$ TeV and pp collisions at $\sqrt{s} = 7$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2105.04890](#) [nucl-ex]

Energy dependence of ϕ meson production at forward rapidity in pp collisions at the LHC

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2105.00713](#) [nucl-ex]

DOI: [10.1140/epjc/s10052-021-09545-3](#)

Published in: Eur.Phys.J.C 81 (2021) 8, 772

The cosmic muon and detector simulation framework of the extreme energy events (EEE) experiment

EEE Collaboration • M. Abbrescia ([Bari U.](#) and [INFN, Bari](#)) et al.

e-Print: [2104.06012](#) [physics.ins-det]

DOI: [10.1140/epjc/s10052-021-09237-y](#)

Published in: Eur.Phys.J.C 81 (2021) 5, 464

Exploring the $N\Lambda$ - $N\Sigma$ coupled system with high precision correlation techniques at the LHC

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2104.04427](#) [nucl-ex]

Nuclear modification factor of light neutral-meson spectra up to high transverse momentum in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2104.03116](#) [nucl-ex]

Measurement of beauty and charm production in pp collisions at $\sqrt{s} = 5.02$ TeV via non-prompt and prompt D mesons

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2102.13601](#) [nucl-ex]

DOI: [10.1007/JHEP05\(2021\)220](#)

Published in: JHEP 05 (2021), 220

Measurements of mixed harmonic cumulants in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2102.12180](#) [nucl-ex]

DOI: [10.1016/j.physletb.2021.136354](#) (publication)

Published in: Phys.Lett.B 818 (2021), 136354

First measurement of the \sqrt{s} -dependence of coherent J/ψ photonuclear production

ALICE Collaboration • [Shreyasi Acharya \(Calcutta, VECC\)](#) et al.

e-Print: [2101.04623](#) [nucl-ex]

DOI: [10.1016/j.physletb.2021.136280](#) (publication)

Published in: Phys.Lett.B 817 (2021), 136280

Coherent J/ψ and ψ' photoproduction at midrapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} \approx 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya \(Calcutta, VECC\)](#) et al.

e-Print: [2101.04577](#) [nucl-ex]

Production of pions, kaons, (anti-)protons and ϕ mesons in Xe–Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV

ALICE Collaboration • [Shreyasi Acharya \(Calcutta, VECC\)](#) et al.

e-Print: [2101.03100](#) [nucl-ex]

DOI: [10.1140/epjc/s10052-021-09304-4](#)

Published in: Eur.Phys.J.C 81 (2021) 7, 584

Long- and short-range correlations and their event-scale dependence in high-multiplicity pp collisions at $\sqrt{s}=13$ TeV

ALICE Collaboration • [Shreyasi Acharya \(Calcutta, VECC\)](#) et al.

e-Print: [2101.03110](#) [nucl-ex]

DOI: [10.1007/JHEP05\(2021\)290](#)

Published in: JHEP 05 (2021), 290

First measurement of coherent ρ^0 photoproduction in ultra-peripheral Xe–Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV

ALICE Collaboration • [Shreyasi Acharya \(Calcutta, VECC\)](#) et al.

e-Print: [2101.02581](#) [nucl-ex]

DOI: [10.1016/j.physletb.2021.136481](#) (publication)

Published in: Phys.Lett.B 820 (2021), 136481

[Multiharmonic Correlations of Different Flow Amplitudes in Pb-Pb Collisions at \$\sqrt{s_{NN}}=2.76\$ TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2101.02579](#) [nucl-ex]

DOI: [10.1103/PhysRevLett.127.092302](#) (publication)

Published in: Phys.Rev.Lett. 127 (2021) 9, 092302

[Inclusive heavy-flavour production at central and forward rapidity in Xe–Xe collisions at \$s_{NN}=5.44\$ TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2011.06970](#) [nucl-ex]

DOI: [10.1016/j.physletb.2021.136437](#) (publication)

Published in: Phys.Lett.B 819 (2021), 136437

[Jet-associated deuteron production in pp collisions at \$s=13\$ TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2011.05898](#) [nucl-ex]

DOI: [10.1016/j.physletb.2021.136440](#) (publication)

Published in: Phys.Lett.B 819 (2021), 136440

[Production of muons from heavy-flavour hadron decays at high transverse momentum in Pb–Pb collisions at \$s_{NN}=5.02\$ and \$2.76\$ TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2011.05718](#) [nucl-ex]

DOI: [10.1016/j.physletb.2021.136558](#) (publication)

Published in: Phys.Lett.B 820 (2021), 136558

[Jet fragmentation transverse momentum distributions in pp and p-Pb collisions at \$\sqrt{s_{NN}} = 5.02\$ TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2011.05904](#) [nucl-ex]

[\$\Lambda_c^+\$ production and baryon-to-meson ratios in pp and p-Pb collisions at \$\sqrt{s_{NN}} = 5.02\$ TeV at the LHC](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2011.06078](#) [nucl-ex]

[\$\Upsilon\$ production and nuclear modification at forward rapidity in Pb-Pb collisions at \$\sqrt{s_{NN}}=5.02\$ TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2011.05758](#) [nucl-ex]

DOI: [10.1016/j.physletb.2021.136579](#) (publication)

[\$\Lambda_c^+\$ production in pp and in p-Pb collisions at \$\sqrt{s_{NN}} = 5.02\$ TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2011.06079](#) [nucl-ex]

[Pseudorapidity distributions of charged particles as a function of mid- and forward rapidity multiplicities in pp collisions at \$\sqrt{s} = 5.02, 7\$ and \$13\$ TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2009.09434](#) [nucl-ex]

DOI: [10.1140/epjc/s10052-021-09349-5](#)

Published in: Eur.Phys.J.C 81 (2021) 7, 630

[Fusion studies in \$Cl^{35,37}+Ta^{181}\$ reactions via evaporation residue cross section measurements](#)

P.V. Laveen, E. Prasad, N. Madhavan, A.K. Nasirov, J. Gehlot et al.

DOI: [10.1103/PhysRevC.102.034613](#)

Published in: Phys.Rev.C 102 (2020) 3, 034613

[Centrality dependence of \$J/\psi\$ and \$\psi\(2S\)\$ production and nuclear modification in p-Pb collisions at \$\sqrt{s_{NN}} = 8.16\$ TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2008.04806](#) [nucl-ex]

DOI: [10.1007/JHEP02\(2021\)002](#)

Published in: JHEP 02 (2021), 002

[Strangeness photoproduction at the BGO-OD experiment](#)

Georg Scheluchin ([Bonn U.](#)), Stefan Alef ([Bonn U.](#)), Patrick Bauer ([Bonn U.](#)), [Reinhard Beck](#) ([Bonn U.](#), [HISKP](#)), [Alessandro Braghieri](#) ([INFN, Pavia](#)) et al.

e-Print: [2008.02023](#) [nucl-ex]

DOI: [10.1142/9789811219313_0037](#)

Published in:

[New high precision measurements of the cosmic charged particle rate beyond the Arctic Circle with the PolarquEEEst experiment](#)

[M. Abbrescia](#) ([INFN, Bari](#) and [Bari U.](#)), [C. Avanzini](#) ([INFN, Pisa](#) and [Pisa U.](#)), [M. Arlandoo](#) ([Oslo U.](#)), [G. Balbi](#) ([INFN, Bologna](#)), [L. Baldini](#) ([INFN, Pisa](#) and [Enrico Fermi Ctr., Rome](#) and [Pisa U.](#)) et al.

DOI: [10.1140/epjc/s10052-020-8213-2](#), [10.1140/epjc/s10052-020-8293-z](#) (erratum)

Published in: Eur.Phys.J.C 80 (2020) 7, 665, Eur.Phys.J.C 80 (2020) 9, 897 (erratum)

[\$K^+\Lambda\(1405\)\$ photoproduction at the BGO-OD experiment](#)

[Georg Scheluchin](#) ([Bonn U.](#)), [Stefan Alef](#) ([Bonn U.](#)), [Patrick Bauer](#) ([Bonn U.](#)), [Reinhard Beck](#) ([Bonn U.](#), [HISKP](#)), [Alessandro Braghieri](#) ([Bonn U.](#) and [Lamar U.](#)) et al.

e-Print: [2007.08898](#) [nucl-ex]

DOI: [10.1051/epjconf/202024101014](#)

Published in: EPJ Web Conf. 241 (2020), 01014

[Strangeness Photoproduction at the BGO-OD experiment](#)

[Thomas Jude](#) ([Bonn U.](#)), [Stefan Alef](#) ([Bonn U.](#)), [Patrick Bauer](#) ([Bonn U.](#)), [Reinhard Beck](#) ([Bonn U.](#), [HISKP](#)), [Alessandro Braghieri](#) ([INFN, Pavia](#)) et al.

e-Print: [2007.08896](#) [nucl-ex]

DOI: [10.1051/epjconf/202024101008](#)

Published in: EPJ Web Conf. 241 (2020), 01008

[Pion-kaon femtoscopy and the lifetime of the hadronic phase in \$Pb-Pb\$ collisions at \$\sqrt{s_{NN}} = 2.76\$ TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2007.08315](#) [nucl-ex]

DOI: [10.1016/j.physletb.2020.136030](#)

Published in: Phys.Lett.B 813 (2021), 136030

[Total branching ratio of the \$K^+\$ - \$\Lambda\$ two-nucleon absorption in \$^{12}C\$](#)

[R. Del Grande \(Enrico Fermi Ctr., Rome and Frascati\)](#), [K. Piscicchia \(Frascati and Enrico Fermi Ctr., Rome\)](#), [M. Cargnelli \(Stefan Meyer Inst. Subatomare Phys.\)](#), [C. Curceanu \(Frascati\)](#), [L. Fabbietti \(Munich, Tech. U., Universe and Munich, Tech. U.\)](#) et al.

DOI: [10.1088/1402-4896/ab9ed3](#)

Published in: Phys.Scripta 95 (2020) 8, 084012

Production of ω mesons in pp collisions at $\sqrt{s}=7\text{ TeV}$

ALICE Collaboration • [Shreyasi Acharya \(Calcutta, VECC\)](#) et al.

e-Print: [2007.02208](#)[nucl-ex]

DOI: [10.1140/epjc/s10052-020-08651-y](#)

Published in: Eur.Phys.J.C 80 (2020) 12, 1130

Strategies to reduce the environmental impact in the MRPC array of the EEE experiment

EEE Collaboration • [M.P. Panetta \(Enrico Fermi Ctr., Rome and INFN, Lecce\)](#) et al.

e-Print: [2006.16773](#)[physics.ins-det]

DOI: [10.1088/1748-0221/15/11/C11011](#)

Published in: JINST 15 (2020) 11, C11011

Upper limit on the $\eta \rightarrow \pi^+ \pi^-$ branching fraction with the KLOE experiment

KLOE-2 Collaboration • [D. Babusci \(Frascati\)](#) et al.

e-Print: [2006.14710](#)[hep-ex]

DOI: [10.1007/JHEP10\(2020\)047](#)

Published in: JHEP 10 (2020), 047, JHEP 20 (2020), 047

$K^+ \Lambda$ photoproduction at forward angles and low momentum transfer

[S. Alef \(Bonn U.\)](#), [P. Bauer \(Bonn U.\)](#), [D. Bayadilov \(Bonn U., HISKP and St. Petersburg, INP\)](#), [R. Beck \(Bonn U., HISKP\)](#), [A. Bella \(Bonn U.\)](#) et al.

e-Print: [2006.12350](#)[nucl-ex]

DOI: [10.1140/epja/s10050-021-00392-0](#)

Published in: Eur.Phys.J.A 57 (2021) 2, 80

Observation of a cusp-like structure in the $\gamma p \rightarrow K^+ \Sigma^0$ cross section at forward angles and low momentum transfer

[T.C. Jude \(Bonn U.\)](#), [S. Alef \(Bonn U.\)](#), [P. Bauer \(Bonn U.\)](#), [D. Bayadilov \(Bonn U., ITKP and St. Petersburg, INP\)](#), [R. Beck \(Bonn U., ITKP\)](#) et al.

e-Print: [2006.12437](#) [nucl-ex]

DOI: [10.1016/j.physletb.2021.136559](#) (publication)

Published in: Phys.Lett.B 820 (2021), 136559

Results from the PolarquEEEst missions

[M. Abbrescia](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Bari](#) and [Bari U.](#)), [C. Avanzini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [G. Balbi](#) ([INFN, Bologna](#) and [Bologna U.](#)), [L. Baldini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [R. Baldini Ferroli](#) ([Enrico Fermi Ctr., Rome](#) and [Frascati](#)) et al.

DOI: [10.1088/1742-6596/1561/1/012001](#)

Published in: J.Phys.Conf.Ser. 1561 (2020) 1, 012001

Scientific and educational aspects of the EEE Project

[P. La Rocca](#) ([Enrico Fermi Ctr., Rome](#) and [Catania U.](#) and [INFN, Catania](#)), [M. Abbrescia](#) ([Enrico Fermi Ctr., Rome](#) and [Bari U.](#) and [INFN, Bari](#)), [C. Avanzini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [L. Baldini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [R. Baldini Ferroli](#) ([Enrico Fermi Ctr., Rome](#) and [Frascati](#)) et al.

DOI: [10.1088/1742-6596/1561/1/012012](#)

Published in: J.Phys.Conf.Ser. 1561 (2020) 1, 012012

Monitoring the long term stability of civil buildings through the MRPC telescopes of the EEE Project

[C. Pinto](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Catania](#) and [Catania U.](#)), [M. Abbrescia](#) ([INFN, Bari](#) and [Bari U.](#) and [Enrico Fermi Ctr., Rome](#)), [C. Avanzini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [L. Baldini](#) ([INFN, Pisa](#) and [Pisa U.](#) and [Enrico Fermi Ctr., Rome](#)), [R. Baldini Ferroli](#) ([Frascati](#) and [Enrico Fermi Ctr., Rome](#)) et al.

DOI: [10.1088/1742-6596/1561/1/012019](#)

Published in: J.Phys.Conf.Ser. 1561 (2020) 1, 012019

Proceedings, Detection Systems and Techniques in Nuclear and Particle Physics (DeSyT2019) : Messina, Italy

[Antonio Trifiró](#) ([Messina U.](#) and [INFN, Catania](#))(ed.), [Giuseppe Mandaglio](#) ([Messina U.](#) and [INFN, Catania](#))(ed.), [Marina Trimarchi](#) ([Messina U.](#) and [INFN, Catania](#))(ed.)

Published in: J.Phys.Conf.Ser. 1561 (2020) 1

Characteristics and performance of the Multigap Resistive Plate Chambers of the EEE experiment

EEE Collaboration • [F. Cocchetti](#) ([Enrico Fermi Ctr., Rome](#)) et al.

e-Print: [2006.02002](#) [physics.ins-det]

DOI: [10.1088/1748-0221/15/11/C11014](#)

Published in: JINST 15 (2020) 11, C11014

[Elliptic and triangular flow of \(anti\)deuterons in Pb-Pb collisions at \$\sqrt{s_{\mathrm{NN}}}\$ = 5.02 TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2005.14639](#) [nucl-ex]

DOI: [10.1103/PhysRevC.102.055203](#)

Published in: Phys.Rev.C 102 (2020) 5, 055203

[J/ \$\psi\$ elliptic and triangular flow in Pb-Pb collisions at \$\sqrt{s_{\mathrm{NN}}}\$ = 5.02 TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2005.14518](#) [nucl-ex]

DOI: [10.1007/JHEP10\(2020\)141](#)

Published in: JHEP 10 (2020), 141

[Measurement of isolated photon-hadron correlations in \$\sqrt{s_{\mathrm{NN}}}\$ = 5.02 TeV \$p_{\mathrm{T}}\$ and \$p_{\mathrm{T}}\$ -Pb collisions](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2005.14637](#) [nucl-ex]

DOI: [10.1103/PhysRevC.102.044908](#)

Published in: Phys.Rev.C 102 (2020) 4, 044908

[Constraining the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Pb-Pb collisions at \$\sqrt{s_{\mathrm{NN}}}\$ = 2.76 and 5.02 TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2005.14640](#) [nucl-ex]

DOI: [10.1007/JHEP09\(2020\)160](#)

Published in: JHEP 09 (2020), 160

[A simulation tool for MRPC telescopes of the EEE project](#)

G. Mandaglio ([Enrico Fermi Ctr., Rome](#) and [Messina U.](#) and [INFN, Catania](#)), [M. Abbrescia](#) ([Bari U.](#) and [INFN, Bari](#)), [C. Avanzini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#)), L. Baldini ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), R. Baldini Ferroli ([Enrico Fermi Ctr., Rome](#) and [INFN, Rome](#) and [Rome, ISS](#)) et al.

e-Print: [2005.14644](#) [physics.ins-det]
DOI: [10.1088/1748-0221/15/10/C10021](#)
Published in: JINST 15 (2020) 10, C10021

Soft-Dielectron Excess in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.
e-Print: [2005.14522](#) [nucl-ex]
DOI: [10.1103/PhysRevLett.127.042302](#) (publication)
Published in: Phys.Rev.Lett. 127 (2021) 4, 042302

Dielectron production in proton-proton and proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.
e-Print: [2005.11995](#) [nucl-ex]
DOI: [10.1103/PhysRevC.102.055204](#)
Published in: Phys.Rev.C 102 (2020) 5, 055204

Unveiling the strong interaction among hadrons at the LHC

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.
e-Print: [2005.11495](#) [nucl-ex]
DOI: [10.1038/s41586-020-3001-6](#) (publication), [10.1038/s41586-020-03142-2](#) (erratum)
Published in: Nature 588 (2020), 232-238, Nature 590 (2021), E13

Transverse-momentum and event-shape dependence of D-meson flow harmonics in Pb–Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.
e-Print: [2005.11131](#) [nucl-ex]
DOI: [10.1016/j.physletb.2020.136054](#)
Published in: Phys.Lett.B 813 (2021), 136054

Elliptic Flow of Electrons from Beauty-Hadron Decays in Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.
e-Print: [2005.11130](#) [nucl-ex]
DOI: [10.1103/PhysRevLett.126.162001](#)

Published in: Phys.Rev.Lett. 126 (2021) 16, 162001

Z-boson production in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=8.16$ TeV and Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2005.11126](#) [nucl-ex]

DOI: [10.1007/JHEP09\(2020\)076](#)

Published in: JHEP 09 (2020), 076

First measurement of quarkonium polarization in nuclear collisions at the LHC

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2005.11128](#) [nucl-ex]

DOI: [10.1016/j.physletb.2021.136146](#) (publication)

Published in: Phys.Lett.B 815 (2021), 136146

Production of light-flavor hadrons in pp collisions at $\sqrt{s}=7$ TeV and $\sqrt{s}=13, 13.6$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2005.11120](#) [nucl-ex]

DOI: [10.1140/epjc/s10052-020-08690-5](#)

Published in: Eur.Phys.J.C 81 (2021) 3, 256

Multiplicity dependence of J/ψ production at midrapidity in pp collisions at $\sqrt{s}=13$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2005.11123](#) [nucl-ex]

DOI: [10.1016/j.physletb.2020.135758](#)

Published in: Phys.Lett.B 810 (2020), 135758

Measurement of the low-energy antideuteron inelastic cross section

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2005.11122](#) [nucl-ex]

DOI: [10.1103/PhysRevLett.125.162001](#)

Published in: Phys.Rev.Lett. 125 (2020) 16, 162001

$\sqrt{s_{NN}}$ femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2005.11124](#) [nucl-ex]

DOI: [10.1103/PhysRevC.103.055201](#)

Published in: Phys.Rev.C 103 (2021) 5, 055201

J/ ψ production as a function of charged-particle multiplicity in p-Pb collisions at $\sqrt{s_{NN}} \sim 8.16$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2004.12673](#) [nucl-ex]

DOI: [10.1007/JHEP09\(2020\)162](#)

Published in: JHEP 09 (2020), 162

MRPC Telescope Simulation for the Extreme Energy Events Experiment

G. Mandaglio ([Enrico Fermi Ctr., Rome](#) and [INFN, Messina](#) and [Messina U.](#)), [M. Abbrescia](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Bari](#) and [Bari U.](#)), [C. Avanzini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [L. Baldini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [R. Baldini Ferroli](#) ([Enrico Fermi Ctr., Rome](#) and [Frascati](#)) et al.

e-Print: [2004.08651](#) [physics.ins-det]

DOI: [10.1088/1742-6596/1561/1/012015](#)

Published in: J.Phys.Conf.Ser. 1561 (2020) 1, 012015

Search for a common baryon source in high-multiplicity pp collisions at the LHC

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2004.08018](#) [nucl-ex]

DOI: [10.1016/j.physletb.2020.135849](#)

Published in: Phys.Lett.B 811 (2020), 135849

Extreme Energy Events: an extended multi purpose cosmic ray observatory

[I. Gnesi](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Turin](#) and [Turin U.](#) and [INFN, Cosenza](#) and [Calabria U.](#)), [M. Abbrescia](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Bari](#) and [Bari U.](#)), [C. Avanzini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [L. Baldini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [R. Baldini-Ferroli](#) ([Enrico Fermi Ctr., Rome](#) and [Frascati](#)) et al.

DOI: [10.1088/1742-6596/1468/1/012103](#)

Published in: J.Phys.Conf.Ser. 1468 (2020) 1, 012103

Measurement of nuclear effects on $\psi(2S)$ production in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2003.06053](#) [nucl-ex]

DOI: [10.1007/JHEP07\(2020\)237](#)

Published in: JHEP 07 (2020), 237, JHEP07 (2020) 237

(Anti-)deuteron production in pp collisions at $\sqrt{s} = 13$ TeV

ALICE Collaboration • [S. Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2003.03184](#) [nucl-ex]

DOI: [10.1140/epjc/s10052-020-8256-4](#)

Published in: Eur.Phys.J.C 80 (2020) 9, 889

Multiplicity dependence of π , K, and p production in pp collisions at $\sqrt{s} = 13$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2003.02394](#) [nucl-ex]

DOI: [10.1140/epjc/s10052-020-8125-1](#)

Published in: Eur.Phys.J.C 80 (2020) 8, 693

Coherent photoproduction of ρ^0 vector mesons in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2002.10897](#) [nucl-ex]

DOI: [10.1007/JHEP06\(2020\)035](#)

Published in: JHEP 06 (2020), 035, JHEP06 (2020) 35

Higher harmonic non-linear flow modes of charged hadrons in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [2002.00633](#) [nucl-ex]

DOI: [10.1007/JHEP05\(2020\)085](#)

Published in: JHEP 05 (2020), 085, JHEP05 (2020) 085

First results from PolarquEEEst

[Carmelo Pellegrino](#), [Francesco Noferini](#), [M. Abbrescia](#), [C. Avanzini](#), [L. Baldini](#) et al.

DOI: [10.22323/1.358.0371](https://doi.org/10.22323/1.358.0371)

Published in: PoS ICRC2019 (2020), 371

$K^0_S \Sigma^0$ photoproduction at the BGO-OD experiment

Katrin Kohl ([Bonn U.](#)), Stefan Alef ([Bonn U.](#)), Patrick Bauer ([Bonn U.](#)), Reinhard Beck ([Bonn U., HISKP](#)), Alessandro Braghieri ([INFN, Pavia](#)) et al.

DOI: [10.1051/epjconf/202024101009](https://doi.org/10.1051/epjconf/202024101009)

Published in: EPJ Web Conf. 241 (2020), 01009

The Extreme Energy Events experiment

Corrado Cicalo, [M. Abbrescia](#), [C. Avanzini](#), L. Baldini, R Baldini Ferroli et al.

DOI: [10.22323/1.358.0389](https://doi.org/10.22323/1.358.0389)

Published in: PoS ICRC2019 (2020), 389

η' beam asymmetry at threshold using the BGO-OD experiment

Stefan Alef, Patrick Bauer, [Reinhard Beck](#), [Alessandro Braghieri](#), [Philip Cole](#) et al.

DOI: [10.1051/epjconf/202024101002](https://doi.org/10.1051/epjconf/202024101002)

Published in: EPJ Web Conf. 241 (2020), 01002

Measurement of the branching fraction for the decay $K_S^0 \rightarrow \pi^0 \mu^+ \nu$ with the KLOE detector

KLOE-2 Collaboration • D. Babusci ([Frascati](#)) et al.

e-Print: [1912.05990](https://arxiv.org/abs/1912.05990) [hep-ex]

DOI: [10.1016/j.physletb.2020.135378](https://doi.org/10.1016/j.physletb.2020.135378) (publication)

Published in: Phys.Lett.B 804 (2020), 135378

Non-linear flow modes of identified particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1912.00740](https://arxiv.org/abs/1912.00740) [nucl-ex]

DOI: [10.1007/JHEP06\(2020\)147](https://doi.org/10.1007/JHEP06(2020)147)

Published in: JHEP 06 (2020), 147

Investigation of the p - Σ^0 interaction via femtoscopy in pp collisions

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1910.14407](#) [nucl-ex]

DOI: [10.1016/j.physletb.2020.135419](#) (publication)

Published in: Phys.Lett.B 805 (2020), 135419

[Production of \(anti-\) \$^3\text{He}\$ and \(anti-\) \$^3\text{H}\$ in p-Pb collisions at \$\sqrt{s_{\text{NN}}}\$ = 5.02 TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1910.14401](#) [nucl-ex]

DOI: [10.1103/PhysRevC.101.044906](#)

Published in: Phys.Rev.C 101 (2020) 4, 044906

[Underlying Event properties in pp collisions at \$\sqrt{s}\$ = 13 TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1910.14400](#) [nucl-ex]

DOI: [10.1007/JHEP04\(2020\)192](#)

Published in: JHEP 04 (2020), 192, JHEP04 (2020) 192

[Centrality and transverse momentum dependence of inclusive \$J/\psi\$ production at midrapidity in Pb-Pb collisions at \$s_{\text{NN}}=5.02\$ TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1910.14404](#) [nucl-ex]

DOI: [10.1016/j.physletb.2020.135434](#) (publication)

Published in: Phys.Lett.B 805 (2020), 135434

[Longitudinal and azimuthal evolution of two-particle transverse momentum correlations in Pb-Pb collisions at \$\sqrt{s_{\text{NN}}}\$ = 2.76 TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1910.14393](#) [nucl-ex]

DOI: [10.1016/j.physletb.2020.135375](#)

Published in: Phys.Lett.B 804 (2020), 135375

[Evidence of rescattering effect in Pb-Pb collisions at the LHC through production of \$\text{K}^*\(892\)^0\$ and \$\phi\(1020\)\$ mesons](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1910.14419](#) [nucl-ex]

DOI: [10.1016/j.physletb.2020.135225](https://doi.org/10.1016/j.physletb.2020.135225)

Published in: Phys.Lett.B 802 (2020), 135225

[Probing the effects of strong electromagnetic fields with charge-dependent directed flow in Pb-Pb collisions at the LHC](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1910.14406](https://arxiv.org/abs/1910.14406) [nucl-ex]

DOI: [10.1103/PhysRevLett.125.022301](https://doi.org/10.1103/PhysRevLett.125.022301)

Published in: Phys.Rev.Lett. 125 (2020) 2, 022301

[Jet-hadron correlations measured relative to the second order event plane in Pb-Pb collisions at \$\sqrt{s_{\text{NN}}} = 2.76\$ TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1910.14398](https://arxiv.org/abs/1910.14398) [nucl-ex]

DOI: [10.1103/PhysRevC.101.064901](https://doi.org/10.1103/PhysRevC.101.064901)

Published in: Phys.Rev.C 101 (2020) 6, 064901

[\$\Upsilon\$ production in p-Pb collisions at \$\sqrt{s_{\text{NN}}} = 8.16\$ TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1910.14405](https://arxiv.org/abs/1910.14405) [nucl-ex]

DOI: [10.1016/j.physletb.2020.135486](https://doi.org/10.1016/j.physletb.2020.135486)

Published in: Phys.Lett.B 806 (2020), 135486

[Azimuthal correlations of prompt D mesons with charged particles in pp and p-Pb collisions at \$\sqrt{s_{\text{NN}}} = 5.02\$ TeV](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1910.14403](https://arxiv.org/abs/1910.14403) [nucl-ex]

DOI: [10.1140/epjc/s10052-020-8118-0](https://doi.org/10.1140/epjc/s10052-020-8118-0)

Published in: Eur.Phys.J.C 80 (2020) 10, 979

[Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions](#)

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1910.14408](https://arxiv.org/abs/1910.14408) [nucl-ex]

DOI: [10.1103/PhysRevLett.125.012301](https://doi.org/10.1103/PhysRevLett.125.012301)

Published in: Phys.Rev.Lett. 125 (2020) 1, 012301

Multiplicity dependence of $K^*(892)^0$ and $\phi(1020)$ production in pp collisions at $\sqrt{s} = 13$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1910.14397](#) [nucl-ex]

DOI: [10.1016/j.physletb.2020.135501](#)

Published in: Phys.Lett.B 807 (2020), 135501

Global baryon number conservation encoded in net-proton fluctuations measured in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1910.14396](#) [nucl-ex]

DOI: [10.1016/j.physletb.2020.135564](#)

Published in: Phys.Lett.B 807 (2020), 135564

$K^*(892)^0$ and $\phi(1020)$ production at midrapidity in pp collisions at $\sqrt{s} = 8$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1910.14410](#) [nucl-ex]

DOI: [10.1103/PhysRevC.102.024912](#)

Published in: Phys.Rev.C 102 (2020) 2, 024912

The BGOOD experimental setup at ELSA

BGO-OD Collaboration • S. Alef ([Bonn U.](#)) et al.

e-Print: [1910.11939](#) [physics.ins-det]

DOI: [10.1140/epja/s10050-020-00107-x](#)

Published in: Eur.Phys.J.A 56 (2020) 4, 104

Measurement of electrons from semileptonic heavy-flavour hadron decays at midrapidity in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1910.09110](#) [nucl-ex]

DOI: [10.1016/j.physletb.2020.135377](#)

Published in: Phys.Lett.B 804 (2020), 135377

Measurement of the (anti-)3He elliptic flow in Pb–Pb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$

ALICE Collaboration • [Shreyasi Acharya \(Calcutta, VECC\)](#) et al.

e-Print: [1910.09718](#) [nucl-ex]

DOI: [10.1016/j.physletb.2020.135414](#) (publication)

Published in: Phys.Lett.B 805 (2020), 135414

Production of charged pions, kaons, and (anti-)protons in Pb-Pb and inelastic pp collisions at $\sqrt{s_{NN}} = 5.02\text{ TeV}$

ALICE Collaboration • [Shreyasi Acharya \(Calcutta, VECC\)](#) et al.

e-Print: [1910.07678](#) [nucl-ex]

DOI: [10.1103/PhysRevC.101.044907](#)

Published in: Phys.Rev.C 101 (2020) 4, 044907

Search for long distance time correlations between cosmic air showers with the MRPC telescopes of the EEE network

P. La Rocca ([Enrico Fermi Ctr., Rome](#) and [INFN, Bologna](#) and [Catania U.](#)), [M. Abbrescia \(Enrico Fermi Ctr., Rome and INFN, Bologna and Bari U.\)](#), [C. Avanzini \(Enrico Fermi Ctr., Rome and INFN, Bologna and Pisa U.\)](#), L. Baldini ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), R. Baldini Ferroli ([Enrico Fermi Ctr., Rome](#) and [INFN, Rome](#)) et al.

DOI: [10.22323/1.364.0051](#)

Published in: PoS EPS-HEP2019 (2020), 051

Measurements of inclusive jet spectra in pp and central Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02\text{ TeV}$

ALICE Collaboration • [Shreyasi Acharya \(Calcutta, VECC\)](#) et al.

e-Print: [1909.09718](#) [nucl-ex]

DOI: [10.1103/PhysRevC.101.034911](#)

Published in: Phys.Rev.C 101 (2020) 3, 034911

Studies of J/ψ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02\text{ TeV}$

ALICE Collaboration • [Shreyasi Acharya \(Calcutta, VECC\)](#) et al.

e-Print: [1909.03158](#) [nucl-ex]

DOI: [10.1007/JHEP02\(2020\)041](#)

Published in: JHEP 02 (2020), 041

Strangeness Photoproduction at the BGO-OD Experiment

T.C. Jude ([Bonn U.](#)), S. Alef ([Bonn U.](#)), P. Bauer ([Bonn U.](#)), R. Beck ([Bonn U.](#), [HISKP](#)), P. Cole ([Bonn U.](#)) et al.

DOI: [10.1134/S1063779619050113](#) , [10.1134/S1063779620320015](#) (erratum)

Published in: Phys.Part.Nucl. 50 (2019) 5, 493-500, Phys.Part.Nucl. 51 (2020) 1, 122 (erratum)

Global polarization of Λ hyperons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1909.01281](#) [nucl-ex]

DOI: [10.1103/PhysRevC.101.044611](#)

Published in: Phys.Rev.C 101 (2020) 4, 044611

Measurement of $\Lambda(1520)$ production in pp collisions at $\sqrt{s} = 7$ TeV and p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

ALICE Collaboration • [S. Acharya](#) ([IISER, Kolkata](#)) et al.

e-Print: [1909.00486](#) [nucl-ex]

DOI: [10.1140/epjc/s10052-020-7687-2](#)

Published in: Eur.Phys.J.C 80 (2020) 2, 160

Search for coincident air showers over large scale distances with the EEE network

[P. La Rocca](#) ([Enrico Fermi Ctr., Rome](#) and [Catania U.](#) and [INFN, Catania](#)), [M. Abbrescia](#) ([Enrico Fermi Ctr., Rome](#) and [Bari U.](#) and [INFN, Bari](#)), [C. Avanzini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [L. Baldini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [R. Baldini Ferroli](#) ([Enrico Fermi Ctr., Rome](#) and [Frascati](#)) et al.

DOI: [10.1016/j.nuclphysbps.2019.07.025](#)

Published in: Nucl.Part.Phys.Proc. 306-308 (2019), 175-182

Performance of the multigap resistive plate chambers of the extreme energy events project

[M. Garbini](#) ([INFN, Bologna](#) and [Bologna U.](#) and [Enrico Fermi Ctr., Rome](#)), [M. Abbrescia](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Bari](#) and [Bari U.](#)), [C. Avanzini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [L. Baldini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [R. Baldini Ferroli](#) ([Enrico Fermi Ctr., Rome](#) and [Frascati](#)) et al.

DOI: [10.1016/j.nima.2018.09.007](#)

Published in: Nucl.Instrum.Meth.A 936 (2019), 474-475

Test of new eco-gas mixtures for the multigap resistive plate chambers of the EEE project

M. Trimarchi ([Enrico Fermi Ctr., Rome](#) and [INFN, Catania](#) and [Messina U.](#)), M. Abbrescia ([Enrico Fermi Ctr., Rome](#) and [INFN, Bari](#) and [Bari U.](#)), [C. Avanzini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), L. Baldini ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), R. Baldini Ferroli ([Enrico Fermi Ctr., Rome](#) and [Frascati](#)) et al.

DOI: [10.1016/j.nima.2018.10.010](#)

Published in: Nucl.Instrum.Meth.A 936 (2019), 493-494

Multiplicity dependence of (multi-)strange hadron production in proton-proton collisions at $\sqrt{s} = 13$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1908.01861](#) [nucl-ex]

DOI: [10.1140/epjc/s10052-020-7673-8](#)

Published in: Eur.Phys.J.C 80 (2020) 2, 167

The new Trigger/GPS module for the extreme energy events project

M. Abbrescia ([Enrico Fermi Ctr., Rome](#) and [Bari U.](#) and [INFN, Bari](#)), [C. Avanzini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), Y. Baek ([World Lab., Geneva](#)), R. Baldini Ferroli ([Enrico Fermi Ctr., Rome](#) and [Frascati](#)), L. Baldini ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)) et al.

DOI: [10.1016/j.nima.2019.162358](#)

Published in: Nucl.Instrum.Meth. A, 162358

$\Lambda^3 \Lambda$ and $\Lambda^3 \bar{\Lambda}$ lifetime measurement in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV via two-body decay

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1907.06906](#) [nucl-ex]

DOI: [10.1016/j.physletb.2019.134905](#) (publication)

Published in: Phys.Lett.B 797 (2019), 134905

Measurement of $\Upsilon(1S)$ elliptic flow at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) ([Calcutta, VECC](#)) et al.

e-Print: [1907.03169](#) [nucl-ex]

DOI: [10.1103/PhysRevLett.123.192301](#)

Published in: Phys.Rev.Lett. 123 (2019) 19, 192301

Measurement of prompt D^0 , D^+ , D^{*+} , and $\{\mathrm{D}\} \{\mathrm{S}\}^{\{+\}}$ production in p–Pb collisions at $\sqrt{s} \{\mathrm{NN}\} = 5.02$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) (Calcutta, VECC) et al.

e-Print: [1906.03425](#) [nucl-ex]

DOI: [10.1007/JHEP12\(2019\)092](#)

Published in: JHEP 12 (2019), 092

Measurement of the inclusive isolated photon production cross section in pp collisions at $\sqrt{s}=7$ TeV

ALICE Collaboration • [Shreyasi Acharya](#) (Calcutta, VECC) et al.

e-Print: [1906.01371](#) [nucl-ex]

DOI: [10.1140/epjc/s10052-019-7389-9](#)

Published in: Eur.Phys.J.C 79 (2019) 11, 896

The effect of the neutron and proton numbers ratio in colliding nuclei on the formation of the evaporation residues in the $^{34}\mathrm{S} + ^{208}\mathrm{Pb}$ and $^{36}\mathrm{S} + ^{206}\mathrm{Pb}$ reactions

A.K. Nasirov, B.M. Kayumov, G. Mandaglio, G. Giardina, K. Kim et al.

e-Print: [1812.08906](#) [nucl-th]

DOI: [10.1140/epja/i2019-12688-3](#)

Published in: Eur.Phys.J.A 55 (2019) 2, 29

Time and orientation long-distance correlations between extensive air showers detected by the MRPC telescopes of the EEE Project

[F. Riggi](#), [M. Abbrescia](#), [L. Baldini](#), [R. Baldin Ferroli](#), [G. Batignani](#) et al.

DOI: [10.1393/ncc/i2017-17196-0](#)

Published in: Nuovo Cim.C 40 (2018) 6, 196

Role of charged particle emission on the evaporation residue formation in the $82\mathrm{Se} + 138\mathrm{Ba}$ reaction leading to the $220\mathrm{Th}$ compound nucleus

[G. Mandaglio](#), [A.K. Nasirov](#), [A. Anastasi](#), [F. Curciarello](#), [G. Fazio](#) et al.

e-Print: [1809.07798](#) [nucl-th]

DOI: [10.1016/j.nuclphysa.2018.09.057](#)

Published in: Nucl.Phys.A 979 (2018), 204-214

[K⁺- \$\Lambda\$ multi-nucleon absorption cross sections and branching ratios in \$\Lambda\$ and \$\Sigma^0\$ final states](#)

R. Del Grande (Frascati), K. Piscicchia (Frascati and Enrico Fermi Ctr., Rome), O. Vazquez Doce (Munich, Tech. U., Universe and Munich, Tech. U.), M. Cargnelli (Stefan Meyer Inst. Subatomare Phys.), C. Curceanu (Frascati) et al.

e-Print: [1809.07212](#) [nucl-ex]

DOI: [10.1140/epjc/s10052-019-6694-7](#)

Published in: Eur.Phys.J.C 79 (2019) 3, 190

[Effects of entrance channels on the deexcitation properties of the same compound nucleus formed by different pairs of collision partners](#)

G. Mandaglio, A. Anastasi, F. Curciarello, G. Fazio, G. Giardina et al.

e-Print: [1809.05927](#) [nucl-th]

DOI: [10.1103/PhysRevC.98.044616](#) (publication)

Published in: Phys.Rev.C 98 (2018) 4, 044616

[First measurement of the \$K^+ \rightarrow \Lambda \pi^+\$ non-resonant transition amplitude below threshold](#)

K. Piscicchia (Enrico Fermi Ctr., Rome and Frascati), S. Wycech (NCBJ, Warsaw), L. Fabbietti (Munich, Tech. U., Universe and Munich, Tech. U.), M. Cargnelli (Stefan Meyer Inst. Subatomare Phys.), C. Curceanu (Frascati) et al.

DOI: [10.1016/j.physletb.2018.05.025](#)

Published in: Phys.Lett.B 782 (2018), 339-345

[Combined limit on the production of a light gauge boson decaying into \$\mu^+ \mu^-\$ and \$\pi^+ \pi^-\$](#)

KLOE-2 Collaboration • A. Anastasi (Messina U. and Frascati) et al.

e-Print: [1807.02691](#) [hep-ex]

DOI: [10.1016/j.physletb.2018.08.012](#)

Published in: Phys.Lett.B 784 (2018), 336-341

[Measurement of the charge asymmetry for the \$K_S \rightarrow \pi e \nu\$ decay and test of CPT symmetry with the KLOE detector](#)

KLOE-2 Collaboration • A. Anastasi (Messina U. and Frascati) et al.

e-Print: [1806.08654](#) [hep-ex]

DOI: [10.1007/JHEP09\(2018\)021](#)

Published in: JHEP 09 (2018), 021

New Eco-gas mixtures for the Extreme Energy Events MRPCs: results and plans

EEE Collaboration • [S. Pisano](#) ([Enrico Fermi Ctr., Rome](#) and [Frascati](#)) et al.

e-Print: [1806.03918](#) [physics.ins-det]

DOI: [10.1088/1748-0221/14/08/C08008](#)

Published in: JINST 14 (2019) 08, C08008

First results from the upgrade of the Extreme Energy Events experiment

EEE Collaboration • M. Abbrescia ([Enrico Fermi Ctr., Rome](#) and [INFN, Bari](#) and [Bari U.](#)) et al.

e-Print: [1806.03913](#) [physics.ins-det]

DOI: [10.1088/1748-0221/14/08/C08005](#)

Published in: JINST 14 (2019) 08, C08005

Performance of the Multigap Resistive Plate Chambers of the Extreme Energy Events Project

EEE Collaboration • D. De Gruttola ([Enrico Fermi Ctr., Rome](#) and [INFN, Salerno](#) and [Salerno U.](#)) et al.

e-Print: [1806.03879](#) [physics.ins-det]

DOI: [10.1088/1748-0221/14/05/C05022](#)

Published in: JINST 14 (2019) 05, C05022

The Extreme Energy Events experiment: an overview of the telescopes performance

EEE Collaboration • M. Abbrescia ([Enrico Fermi Ctr., Rome](#) and [Bari U.](#) and [INFN, Bari](#)) et al.

e-Print: [1805.04177](#) [physics.ins-det]

DOI: [10.1088/1748-0221/13/08/P08026](#)

Published in: JINST 13 (2018) 08, P08026

Study on reaction mechanism by analysis of kinetic energy spectra of light particles and formation of final products

G. Giardina, G. Mandaglio, A.K. Nasirov, A. Anastasi, [F. Curciarello](#) et al.

DOI: [10.1088/1742-6596/1014/1/012004](#)

Published in: J.Phys.Conf.Ser. 1014 (2018) 1, 012004

Mass and angular distributions of the reaction products in heavy ion collisions

A.K. Nasirov, G. Giardina, G. Mandaglio, B.M. Kayumov, R.B. Tashkhodjaev

DOI: [10.1088/1742-6596/1014/1/012009](https://doi.org/10.1088/1742-6596/1014/1/012009)

Published in: J.Phys.Conf.Ser. 1014 (2018) 1, 012009

[The entrance channel effects on the deexcitation ways of the same compound nucleus at a fixed excitation energy](#)

A. Anastasi, G. Mandaglio, [F. Curciarello](#), A.K. Nasirov, [G. Fazio](#) et al.

DOI: [10.1088/1742-6596/1014/1/012007](https://doi.org/10.1088/1742-6596/1014/1/012007)

Published in: J.Phys.Conf.Ser. 1014 (2018) 1, 012007

[Proceedings, International Workshop Nuclear Reactions on Nucleons and Nuclei \(NRNN2017\) : Melissa, Italy, October 25-26, 2017](#)

[Giuseppe Mandaglio](#)(ed.), [Antonio Trifirò](#)(ed.), [Marina Trimarchi](#)(ed.)

Published in: J.Phys.Conf.Ser. 1014 (2018) 1

[Extreme Energy Events Project: construction of the detectors](#)

[Francesca Carnesecchi](#) ([INFN, Bologna](#) and [Bologna U., Dept. Astron.](#) and [Enrico Fermi Ctr., Rome](#)), [M. Abbrescia](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Bari](#) and [Bari U.](#)), [C. Avanzini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [Luca Baldini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [R. Baldini Ferroli](#) ([Enrico Fermi Ctr., Rome](#) and [Frascati](#)) et al.

DOI: [10.22323/1.314.0820](https://doi.org/10.22323/1.314.0820)

Published in: PoS EPS-HEP2017 (2018), 820

[Search for long distance correlations between extensive air showers detected by the EEE network](#)

[M. Abbrescia](#) ([Enrico Fermi Ctr., Rome](#) and [Bari U.](#) and [INFN, Bari](#)), [L. Baldini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [R. Baldini Ferroli](#) ([Enrico Fermi Ctr., Rome](#) and [Frascati](#)), [G. Batignani](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa](#) and [Pisa U.](#)), [M. Battaglieri](#) ([Enrico Fermi Ctr., Rome](#) and [Genoa U.](#) and [INFN, Genoa](#)) et al.

DOI: [10.1140/epjp/i2018-11898-x](https://doi.org/10.1140/epjp/i2018-11898-x)

Published in: Eur.Phys.J.Plus 133 (2018) 2, 34

[ER cross section studies for the \$^{35,37}\text{Cl} + ^{181}\text{Ta}\$ reactions.](#)

[P.V. Laveen](#), [E. Prasad](#), [A.K. Nasirov](#), [G. Mandaglio](#), [G. Giardina](#)

Published in: DAE Symp.Nucl.Phys. 63 (2018), 544-545

[Low-energy antikaon-nuclei interactions studies by AMADEUS: from QCD with strangeness to neutron stars](#)

K. Piscicchia ([Frascati](#) and [Enrico Fermi Ctr., Rome](#)), [C. Curceanu \(Frascati\)](#), M. Cargnelli ([Stefan Meyer Inst. Subatomare Phys.](#)), [R. Del Grande \(Frascati and Rome U., Tor Vergata\)](#), L. Fabbietti ([Munich, Tech. U., Universe](#) and [Munich, Tech. U.](#)) et al.

DOI: [10.1051/epjconf/201816600020](#)

Published in: EPJ Web Conf. 166 (2018), 00020

Strangeness photoproduction at the BGO-OD experiment

Thomas Jude ([Bonn U.](#)), S. Alef ([Bonn U.](#)), P. Bauer ([Bonn U.](#)), D. Bayadilov ([Bonn U., HISKP](#)), [R. Beck \(Bonn U., HISKP\)](#) et al.

DOI: [10.22323/1.310.0054](#)

Published in: PoS Hadron2017 (2018), 054

Uncertainties and understanding of experimental and theoretical results regarding reactions forming heavy and superheavy nuclei

G. Giardina, [G. Mandaglio](#), A.K. Nasirov, A. Anastasi, [F. Curciarello](#) et al.

e-Print: [1711.10603](#) [nucl-th]

DOI: [10.1016/j.nuclphysa.2017.11.010](#)

Published in: Nucl.Phys.A 970 (2018), 169-207

Combination of KLOE $\sigma(e^+e^-\rightarrow\pi^+\pi^-\gamma(\gamma))$ measurements and determination of $a_{\mu}^{\pi^+\pi^-}$ in the energy range $0.10 < s < 0.95$ GeV 2

KLOE-2 Collaboration • A. Anastasi ([Messina U.](#) and [Frascati](#)) et al.

e-Print: [1711.03085](#) [hep-ex]

DOI: [10.1007/JHEP03\(2018\)173](#)

Published in: JHEP 03 (2018), 173

KLOE/KLOE-2 results and perspectives on dark force search

KLOE-2 Collaboration • [Giuseppe Mandaglio \(Messina U. and INFN, Catania\)](#) for the collaboration.

DOI: [10.22323/1.314.0073](#)

Published in: PoS EPS-HEP2017 (2017), 073

Measurement of the running of the fine structure constant and $\gamma\gamma$ physics at KLOE-2

KLOE-2 Collaboration • [G. Mandaglio \(Messina U. and INFN, Catania\)](#) for the collaboration.

DOI: [10.1016/j.nuclphysbps.2017.03.052](#)

Published in: Nucl.Part.Phys.Proc. 287-288 (2017), 95-98

Investigating the low-energy K^0 - Λ interactions in nuclear matter with AMADEUS

[Raffaele Del Grande](#) ([Frascati](#) and [Rome U., Tor Vergata](#)), [M. Bazzi](#) ([Frascati](#)), [G. Belloti](#) ([Milan Polytechnic](#)), [C. Berucci](#) ([Stefan Meyer Inst. Subatomare Phys.](#)), [A.M. Bragadireanu](#) ([Bucharest, IFIN-HH](#)) et al.

DOI: [10.1088/1742-6596/841/1/012023](https://doi.org/10.1088/1742-6596/841/1/012023)

Published in: J.Phys.Conf.Ser. 841 (2017) 1, 012023

Fusion and quasifission studies in reactions forming Rn via evaporation residue measurements

[A. Shamlath](#), [E. Prasad](#), [N. Madhavan](#), [P.V. Laveen](#), [J. Gehlot](#) et al.

DOI: [10.1103/PhysRevC.95.034610](https://doi.org/10.1103/PhysRevC.95.034610)

Published in: Phys.Rev.C 95 (2017) 3, 034610

Antikaon Interactions with Nucleons and Nuclei - AMADEUS At Da Φ ne

[Johann Marton](#) ([Stefan Meyer Inst. Subatomare Phys.](#)), [Kristian Piscicchia](#) ([Frascati](#) and [Enrico Fermi Ctr., Rome](#)), [C. Curceanu](#) ([Frascati](#)), [M. Cargnelli](#) ([Stefan Meyer Inst. Subatomare Phys.](#)), [R. Del Grande](#) ([Frascati](#)) et al.

e-Print: [1704.06562](https://arxiv.org/abs/1704.06562) [nucl-ex]

DOI: [10.22323/1.281.0290](https://doi.org/10.22323/1.281.0290)

Published in: PoS INPC2016 (2017), 290

Probing Quasifission In Reactions Forming Rn Nucleus

[A Shamlath](#), [E. Prasad](#), [N. Madhavan](#), [P V Laveen](#), [J. Gehlot](#) et al.

DOI: [10.22323/1.281.0194](https://doi.org/10.22323/1.281.0194)

Published in: PoS INPC2016 (2017), 194

Investigation of the low-energy kaons hadronic interactions in light nuclei by AMADEUS

[Kristian Piscicchia](#) ([Frascati](#) and [Enrico Fermi Ctr., Rome](#)), [M. Cargnelli](#) ([Stefan Meyer Inst. Subatomare Phys.](#)), [C. Curceanu](#) ([Frascati](#)), [R. Del Grande](#) ([Frascati](#) and [Rome U., Tor Vergata](#)), [L. Fabbietti](#) ([Munich, Tech. U., Universe](#) and [Munich, Tech. U.](#)) et al.

DOI: [10.1051/epjconf/201713709005](https://doi.org/10.1051/epjconf/201713709005)

Published in: EPJ Web Conf. 137 (2017), 09005

Entrance channel effect in characteristics of the heavy ion reaction products

A. Nasirov, G. Giardina, G. Mandaglio, B. Kayumov
Published in: DAE Symp.Nucl.Phys. 62 (2017), 11-12

Experimental results on multi-nucleonic K^- absorptions in light nuclei

AMADEUS Collaboration • [O. Vázquez Doce](#) ([Munich, Tech. U., Universe](#) and [Munich, Tech. U.](#)) et al.

DOI: [10.1051/epjconf/201713709010](https://doi.org/10.1051/epjconf/201713709010)

Published in: EPJ Web Conf. 137 (2017), 09010

EEE Project - Students from all parts of peninsula collaborate to study cosmic rays

Stefano Grazzi ([Enrico Fermi Ctr., Rome](#)), M. Abbrescia ([Enrico Fermi Ctr., Rome](#) and [INFN, Bari and Bari U.](#)), [C. Avanzini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa and Pisa U.](#)), [L. Baldini](#) ([Enrico Fermi Ctr., Rome](#) and [INFN, Pisa and Pisa U.](#)), [R. Baldini Ferroli](#) ([Enrico Fermi Ctr., Rome](#) and [Frascati](#)) et al.

DOI: [10.22323/1.314.0823](https://doi.org/10.22323/1.314.0823)

Published in: PoS EPS-HEP2017 (2017), 823

Proceedings, International Symposium Advances in Dark Matter and Particle Physics (ADMPP16) : Messina, Italy, October 24-27, 2016

M. Battaglieri(ed.), [F. Curciarello](#)(ed.), [G. Mandaglio](#)(ed.), [M. Raggi](#)(ed.), [P. Valente](#)(ed.)

Published in: EPJ Web Conf. 142 (2017)

Commissioning and initial experimental program of the BGO-OD experiment at ELSA

S. Alef ([Bonn U.](#)), P. Bauer ([Bonn U.](#)), D. Bayadilov ([Bonn U., HISKP](#)), [R. Beck](#) ([Bonn U., HISKP](#)), [M. Becker](#) ([Bonn U., HISKP](#)) et al.

DOI: [10.1051/epjconf/201613007013](https://doi.org/10.1051/epjconf/201613007013)

Published in: EPJ Web Conf. 130 (2016), 07013

Investigation of the low-energy kaons hadronic interactions in light nuclei by AMADEUS

[A. Scordo](#) ([Frascati](#)), M. Cargnelli ([Stefan Meyer Inst. Subatomare Phys.](#)), [C. Curceanu](#) ([Frascati](#)), [L. Fabbietti](#) ([Munich, Tech. U., Universe](#) and [Munich, Tech. U.](#)), [J. Marton](#) ([Stefan Meyer Inst. Subatomare Phys.](#)) et al.

DOI: [10.1051/epjconf/201613001016](https://doi.org/10.1051/epjconf/201613001016)

Published in: EPJ Web Conf. 130 (2016), 01016

K- multi-nucleon absorption processes in hadronic interaction studies

AMADEUS Collaboration • [Raffaele Del Grande](#) (Frascati and Rome U., Tor Vergata) et al.

DOI: [10.22323/1.272.0010](#)

Published in: PoS BORMIO2016 (2016), 010

Measurement of the running of the fine structure constant below 1 GeV with the KLOE Detector

KLOE-2 Collaboration • A. Anastasi ([Frascati](#) and [Messina U.](#)) et al.

e-Print: [1609.06631](#) [hep-ex]

DOI: [10.1016/j.physletb.2016.12.016](#)

Published in: Phys.Lett.B 767 (2017), 485-492

Dark Sectors 2016 Workshop: Community Report

[Jim Alexander](#) (Cornell U., Phys. Dept.), [Marco Battaglieri](#) (INFN, Genoa), [Bertrand Echenard](#) (Caltech), [Rouven Essig](#) (SUNY, Stony Brook), [Matthew Graham](#) (SLAC) et al.

e-Print: [1608.08632](#) [hep-ph]

Limit on the production of a new vector boson in $\mathit{e^+ e^-} \rightarrow \mathit{U} \gamma$, $\mathit{U} \rightarrow \mathit{\pi^+ \pi^-}$ with the KLOE experiment

KLOE-2 Collaboration • A. Anastasi ([Frascati](#) and [Messina U.](#)) et al.

e-Print: [1603.06086](#) [hep-ex]

DOI: [10.1016/j.physletb.2016.04.019](#)

Published in: Phys.Lett.B 757 (2016), 356-361

Precision measurement of the $\eta \rightarrow \mathit{\pi^+ \pi^- \pi^0}$ Dalitz plot distribution with the KLOE detector

KLOE-2 Collaboration • A. Anastasi ([Messina U.](#) and [Frascati](#)) et al.

e-Print: [1601.06985](#) [hep-ex]

DOI: [10.1007/JHEP05\(2016\)019](#)

Published in: JHEP 05 (2016), 019

Measurement of the $\mathit{\phi \rightarrow \pi^0 e^+ e^-}$ transition form factor with the KLOE detector

KLOE-2 Collaboration • A. Anastasi ([Messina U.](#) and [Frascati](#)) et al.

e-Print: [1601.06565](#) [hep-ex]

DOI: [10.1016/j.physletb.2016.04.015](#)

Published in: Phys.Lett.B 757 (2016), 362-367

Estimating fusion probability for the $^{28}\text{Si}+^{178}\text{Hf}$ reaction

P.V. Laveen, E. Prasad, A. Shamlath, A.K. Nasirov, G. Giardina et al.

Published in: DAE Symp.Nucl.Phys. 61 (2016), 530-531

Evaporation residue excitation function measurements for reactions forming Rn compound nuclei

A. Shamlath, E. Prasad, P.V. Laveen, N. Madhavan, J. Gehlot et al.

Published in: DAE Symp.Nucl.Phys. 61 (2016), 396-397

Polarised Photon Beams for the BGO-OD Experiment at ELSA

[T. Zimmermann](#), [A. Bella](#), [S. Alef](#), [D. Bayadilov](#), [R. Beck](#) et al.

DOI: [10.7566/JPSCP.10.032003](#)

Published in: JPS Conf.Proc. 10 (2016), 032003

Entrance channel effects in superheavy element production

[Avazbek Nasirov](#), [Giorgio Giardina](#), [Giuseppe Mandaglio](#), [Akhtam Muminov](#)

DOI: [10.1051/epjconf/201613104002](#)

Published in: EPJ Web Conf. 131 (2016), 04002

K^{Λ} - Σ absorption on two nucleons and ppK^{Λ} - Σ bound state search in the $\Sigma^{\Lambda 0}$ final state

[O. Vázquez Doce](#) ([Munich, Tech. U., Universe](#) and [Munich, Tech. U.](#)), [L. Fabbietti](#) ([Munich, Tech. U., Universe](#) and [Munich, Tech. U.](#)), [M. Cargnelli](#) ([Stefan Meyer Inst. Subatomare Phys.](#)), [C. Curceanu](#) ([Frascati](#)), [J. Marton](#) ([Stefan Meyer Inst. Subatomare Phys.](#)) et al.

e-Print: [1511.04496](#) [nucl-ex]

DOI: [10.1016/j.physletb.2016.05.001](#)

Published in: Phys.Lett.B 758 (2016), 134-139

Strangeness Photoproduction at the BGO-OD Experiment

BGO-OD Collaboration • [T.C. Jude](#) ([Bonn U.](#)) et al.

e-Print: [1510.01488](#) [nucl-ex]

DOI: [10.7566/JPSCP.10.032002](#)

Published in: JPS Conf.Proc. 10 (2016), 032002

Limit on the production of a low-mass vector boson in $e^+e^- \rightarrow U\gamma$, $e^+e^- \rightarrow e^+e^-$ with the KLOE experiment

A. Anastasi ([Messina U.](#) and [Frascati](#)), [D. Babusci \(Frascati\)](#), G. Bencivenni ([Frascati](#)), M. Berlowski ([Warsaw, Inst. Nucl. Studies](#)), [C. Bloise \(Frascati\)](#) et al.

e-Print: [1509.00740](#) [hep-ex]

DOI: [10.1016/j.physletb.2015.10.003](#)

Published in: Phys.Lett.B 750 (2015), 633-637

Disintegration of ^{12}C nuclei by 700–1500 MeV photons

V. Nedorezov, A. D'Angelo, [O. Bartalini](#), [V. Bellini](#), [M. Capogni](#) et al.

DOI: [10.1016/j.nuclphysa.2015.05.001](#)

Published in: Nucl.Phys.A 940 (2015), 264-278

Proceedings, Dark Matter, Hadron Physics and Fusion Physics (DHF2014) : Messina, Italy, September 24-26, 2014

[G. Giardino](#)(ed.), [S. Eidelman](#)(ed.), [G. Venanzoni](#)(ed.), [M. Battaglieri](#)(ed.), [G. Mandaglio](#)(ed.)

Published in: EPJ Web Conf. 96 (2015)

Real causes of apparent abnormal results in heavy ion reactions

[G. Mandaglio](#), [A.K. Nasirov](#), A. Anastasi, [F. Curciarello](#), V. De Leo et al.

DOI: [10.1051/epjconf/20159601016](#)

Published in: EPJ Web Conf. 96 (2015), 01016

Results and prospects on hadronic cross section and $\gamma\gamma$ physics at KLOE/KLOE-2

KLOE-2 Collaboration • [Giuseppe Mandaglio](#) ([Catania, CSFNSM](#) and [Messina U.](#) and [INFN, Catania](#)) for the collaboration.

DOI: [10.1016/j.nuclphysbps.2015.02.018](#)

Published in: Nucl.Part.Phys.Proc. 260 (2015), 87-91

The BGO Calorimeter of BGO-OD Experiment

[B. Bantes](#) ([Bonn U.](#)), [D. Bayadilov](#) ([Bonn U.](#)), [R. Beck](#) ([Bonn U., HISKP](#)), [M. Becker](#) ([Bonn U., HISKP](#)), [A. Bella](#) ([Bonn U.](#)) et al.

DOI: [10.1088/1742-6596/587/1/012042](#)

Published in: J.Phys.Conf.Ser. 587 (2015) 1, 012042

Search for dark Higgsstrahlung in $e^+e^- \rightarrow \mu^+\mu^-$ and missing energy events with the KLOE experiment

KLOE-2 Collaboration • A. Anastasi ([INFN, Bari](#) and [Frascati](#)) et al.

e-Print: [1501.06795](#) [hep-ex]

DOI: [10.1016/j.physletb.2015.06.015](#)

Published in: Phys.Lett.B 747 (2015), 365-372

Evidence for narrow resonant structures at $W \approx 1.68\text{GeV}$ and $W \approx 1.72\text{GeV}$ in real Compton scattering off the proton

V. Kuznetsov ([St. Petersburg, INP](#)), F. Mammoliti ([INFN, Catania](#) and [Catania U.](#)), V. Bellini ([INFN, Catania](#) and [Catania U.](#)), G. Gervino ([Turin U.](#) and [INFN, Turin](#)), F. Ghio ([INFN, Rome](#) and [Rome, ISS](#)) et al.

e-Print: [1501.04333](#) [nucl-ex]

DOI: [10.1103/PhysRevC.91.042201](#)

Published in: Phys.Rev.C 91 (2015) 4, 042201

Possibilities and Limits of Experimental Results in the Investigation of Reaction Dynamics in Heavy Ion Reactions

A. Anastasi, F. Curciarello, G. Fazio, G. Giardina, G. Mandaglio et al.

DOI: [10.5506/APhysPolBSupp.8.583](#)

Published in: Acta Phys.Polon.Supp. 8 (2015) 3, 583-590

Meson Photoproduction at GRAAL and BGO-OD Experiments

Veronica De Leo

Effects of entrance channels on the evaporation residue yields in reactions leading to the ^{220}Th compound nucleus

K. Kim, Y. Kim, A.K. Nasirov, G. Mandaglio, G. Giardina

e-Print: [1411.7239](#) [nucl-th]

DOI: [10.1103/PhysRevC.91.064608](#)

Published in: Phys.Rev.C 91 (2015) 6, 064608

Helicity dependence of the $\gamma^3\text{He} \rightarrow \pi X$ reactions in the $\Delta(1232)$ resonance region

A2 Collaboration • S. Costanza ([INFN, Pavia](#) and [Pavia U.](#)) et al.

DOI: [10.1140/epja/i2014-14173-y](https://doi.org/10.1140/epja/i2014-14173-y)

Published in: Eur.Phys.J.A 50 (2014) 11, 173

Study of the Dalitz decay $\phi \rightarrow \eta e^+e^-$ with the KLOE detector

KLOE-2 Collaboration • [D. Babusci \(Frascati\)](#) et al.

e-Print: [1409.4582](https://arxiv.org/abs/1409.4582) [hep-ex]

DOI: [10.1016/j.physletb.2015.01.011](https://doi.org/10.1016/j.physletb.2015.01.011)

Published in: Phys.Lett.B 742 (2015), 1-6

First Measurement of the Σ Beam Asymmetry in η' Photoproduction off the Proton near Threshold

[P. Levi Sandri \(Frascati\)](#), [G. Mandaglio \(Messina U. and INFN, Messina\)](#), [V. De Leo \(INFN, Rome3 and Rome III U.\)](#), [O. Bartalini \(INFN, Rome2 and Rome U., Tor Vergata\)](#), [V. Bellini \(INFN, Catania and U. Catania \(main\)\)](#) et al.

e-Print: [1407.6991](https://arxiv.org/abs/1407.6991) [nucl-ex]

DOI: [10.1140/epja/i2015-15077-0](https://doi.org/10.1140/epja/i2015-15077-0)

Published in: Eur.Phys.J.A 51 (2015) 7, 77

Measurement of the absolute branching ratio of the $K^+ \rightarrow \pi^+\pi^-\pi^+(\gamma)$ decay with the KLOE detector

KLOE KLOE-2 Collaboration • [D. Babusci \(Frascati\)](#) et al.

e-Print: [1407.2028](https://arxiv.org/abs/1407.2028) [hep-ex]

DOI: [10.1016/j.physletb.2014.09.033](https://doi.org/10.1016/j.physletb.2014.09.033)

Published in: Phys.Lett.B 738 (2014), 128-133

First measurement of the 2.4 MeV and 2.9 MeV ^6He three-cluster resonant states via the $^3\text{H}(^4\text{He}, p\alpha)^2\text{n}$ four-body reaction

[Giuseppe Mandaglio \(Catania, CSFNSM and Messina U. and INFN, Catania\)](#), [Orest Povoroznyk \(Kiev, INR\)](#), [Olga K. Gorpnich \(Kiev, INR\)](#), [Olexiy O. Jachmenjov \(Kiev, INR\)](#), [Antonio Anastasi \(Messina U. and INFN, Catania\)](#) et al.

e-Print: [1405.1226](https://arxiv.org/abs/1405.1226) [nucl-ex]

DOI: [10.1142/S0217732314501053](https://doi.org/10.1142/S0217732314501053)

Published in: Mod.Phys.Lett.A 29 (2014) 19, 1450105

Search for light vector boson production in $e^+e^- \rightarrow \mu^+\mu^-\gamma$ interactions with the KLOE experiment

KLOE-2 Collaboration • [D. Babusci \(Frascati\)](#) et al.

e-Print: [1404.7772 \[hep-ex\]](#)

DOI: [10.1016/j.physletb.2014.08.005](#)

Published in: Phys.Lett.B 736 (2014), 459-464

[Search for a light vector gauge boson in \$e^+e^- \rightarrow \mu^+ \mu^- \gamma\$ with the KLOE detector at Dafne](#)

[Francesca Curciarello \(Messina U.\)](#)

[IRIDE: Interdisciplinary research infrastructure based on dual electron linacs and lasers](#)

[M. Ferrario](#), [D. Alesini](#), [M. Alessandroni](#), [M.P. Anania](#), [S. Andreas](#) et al.

DOI: [10.1016/j.nima.2013.11.040](#)

Published in: Nucl.Instrum.Meth.A 740 (2014), 138-146

[Precision measurements of the \$e^+e^- \rightarrow \pi^+\pi^- \(\gamma\)\$ cross section with the KLOE detector](#)

KLOE-2 Collaboration • [G. Mandaglio \(Catania, CSFNSM and Messina U. and INFN, Catania\)](#) et al.

DOI: [10.1016/j.nuclphysbps.2014.09.028](#)

Published in: Nucl.Phys.B Proc.Suppl. 253-255 (2014), 115-118

[Analysis of the \$\eta'\$ photoproduction off the proton and preliminary beam asymmetry results at the GRAAL experiment](#)

[G. Mandaglio \(Catania, CSFNSM and Messina U. and INFN, Catania\)](#), [V. Bellini \(Catania U. and INFN, Catania\)](#), [J.P. Bocquet \(LPSC, Grenoble\)](#), [M. Capogni \(Rome U., Tor Vergata and INFN, Rome2\)](#), [F. Curciarello \(Messina U. and INFN, Catania\)](#) et al.

DOI: [10.1051/epjconf/20147200016](#)

Published in: EPJ Web Conf. 72 (2014), 00016

[Proceedings, International Symposium on Lepton and Hadron Physics at Meson-Factories \(LHPMF 2013\) : Messina, Italy, October 13-15, 2013](#)

[G. Giardino](#)(ed.), [S. Eidelman](#)(ed.), [G. Venanzoni](#)(ed.), [G. Mandaglio](#)(ed.)

Published in: EPJ Web Conf. 72 (2014)

[The BGO-OD experiment at ELSA](#)

[B. Bantes \(Bonn U.\)](#), [D. Bayadilov \(Bonn U., HISKP\)](#), [R. Beck \(Bonn U., HISKP\)](#), [M. Becker \(Bonn U., HISKP\)](#), [A. Bella \(Bonn U.\)](#) et al.

DOI: [10.1142/S2010194514600933](#)

Published in: Int.J.Mod.Phys.Conf.Ser. 26 (2014), 1460093

[Proceedings, International Symposium on Entrance Channel Effect on the Reaction Mechanism in Heavy Ion Collisions \(ECHIC 2013\) : Messina, Italy, November 6-8, 2013](#)

[Giorgio Giardina](#)(ed.), [Avazbek K. Nasirov](#)(ed.), [Giuseppe Mandaglio](#)(ed.)

Published in: J.Phys.Conf.Ser. 515 (2014)

[Beam asymmetry Sigma in eta-prime photoproduction off the proton at the GRAAL experiment](#)

[G. Mandaglio](#), [V. Bellini](#), [J.P. Bocquet](#), [M. Capogni](#), [F. Curciarello](#) et al.

DOI: [10.1051/epjconf/20147304006](#)

Published in: EPJ Web Conf. 73 (2014), 04006

[Basic distinctions between cold- and hot-fusion reactions in the synthesis of superheavy elements](#)

[A.K. Nasirov](#), [A.I. Muminov](#), [G. Giardina](#), [G. Mandaglio](#)

DOI: [10.1134/S1063778814070126](#)

Published in: Phys.Atom.Nucl. 77 (2014), 881-889

[Test of CPT and Lorentz symmetry in entangled neutral kaons with the KLOE experiment](#)

KLOE-2 Collaboration • [D. Babusci \(Frascati\)](#) et al.

e-Print: [1312.6818](#) [hep-ex]

DOI: [10.1016/j.physletb.2014.01.026](#)

Published in: Phys.Lett.B 730 (2014), 89-94

[Main restrictions in the synthesis of new superheavy elements: Quasifission and/or fusion fission](#)

[Avazbek Nasirov](#), [Kyungil Kim](#), [Giuseppe Mandaglio](#), [Giorgio Giardina](#), [Akhtam Muminov](#) et al.

e-Print: [1308.1513](#) [nucl-th]

DOI: [10.1140/epja/i2013-13147-y](#)

Published in: Eur.Phys.J.A 49 (2013), 147

IRIDE White Book, An Interdisciplinary Research Infrastructure based on Dual Electron linacs&lasers

[D. Alesini \(Frascati\)](#), [M. Alessandroni \(Unlisted, IT\)](#), [M.P. Anania \(Frascati\)](#), [S. Andreas \(DESY\)](#), [M. Angelone \(ENEA, Rome\)](#) et al.

e-Print: [1307.7967](#) [physics.ins-det]

Measurement of the Σ beam asymmetry for the ω photo-production off the proton and the neutron at GRAAL

GRAAL Collaboration • [V. Vegna \(Rome U., Tor Vergata and INFN, Rome2\)](#) et al.

e-Print: [1306.5943](#) [nucl-ex]

DOI: [10.1103/PhysRevC.91.065207](#)

Published in: Phys.Rev.C 91 (2015) 6, 065207

Recent results on hadron physics at KLOE

KLOE and KLOE-2 Collaborations • [P. Moskal \(Jagiellonian U.\)](#) et al.

e-Print: [1306.5740](#) [hep-ex]

Published in:

KLOE results in flavour physics and prospects for KLOE-2

KLOE KLOE-2 Collaboration • [E. Czerwinski \(Jagiellonian U.\)](#) et al.

DOI: [10.1016/j.nuclphysbps.2013.06.005](#)

Published in: Nucl.Phys.B Proc.Suppl. 241-242 (2013), 24-27

Reaction mechanisms in massive nuclei collisions and perspectives for synthesis of heavier superheavy elements

G. Giardina, A.K. Nasirov, [G. Mandaglio](#), [F. Curciarello](#), [V. De Leo](#) et al.

DOI: [10.13538/j.1001-8042/nst.2013.05.019](#)

Published in: Nucl.Sci.Tech. 24 (2013) 5, 50519

Recent results of the BGO-OD experiment at ELSA facility

[Veronica De Leo \(Messina U. and INFN, Catania\)](#), [B. Bantes \(Bonn U.\)](#), [D. Bayadilov \(Bonn U., HISKP\)](#), [R. Beck \(Bonn U., HISKP\)](#), [M. Becker \(Bonn U., HISKP\)](#) et al.

DOI: [10.1088/1742-6596/424/1/012008](#)

Published in: J.Phys.Conf.Ser. 424 (2013), 012008

A new limit on the CP violating decay $S \rightarrow 3\pi^0$ with the KLOE experiment

KLOE Collaboration • [D. Babusci \(Frascati\)](#) et al.

e-Print: [1301.7623](#) [hep-ex]

DOI: [10.1016/j.physletb.2013.05.008](#)

Published in: Phys.Lett.B 723 (2013), 54-60

Status and perspectives of the KLOE-2 experiment

KLOE-2 Collaboration • Maxim Martemianov ([Moscow, ITEP](#)) et al.

DOI: [10.1142/9789814436830_0071](#)

Published in:

Latest KLOE result on the $\sigma(e^+e^- \rightarrow \pi^+\pi^-)$ and its impact on the muon anomaly

KLOE KLOE-2 Collaboration • Giuseppe Mandaglio ([Catania, CSFNSM](#) and [Messina U.](#) and [INFN, Catania](#)) for the collaboration.

DOI: [10.1088/1742-6596/424/1/012002](#)

Published in: J.Phys.Conf.Ser. 424 (2013), 012002

Precision measurement of $\sigma(e^+e^- \rightarrow \pi^+\pi^-\gamma) / \sigma(e^+e^- \rightarrow \mu^+\mu^-\gamma)$ and determination of the $\pi^+\pi^-$ contribution to the muon anomaly with the KLOE detector

KLOE Collaboration • [D. Babusci \(Frascati\)](#) et al.

e-Print: [1212.4524](#) [hep-ex]

DOI: [10.1016/j.physletb.2013.02.029](#)

Published in: Phys.Lett.B 720 (2013), 336-343

Investigation on the $^{48}\text{Ca}+^{249-252}\text{Cf}$ reactions synthesizing isotopes of the superheavy element 118

[G. Mandaglio \(Catania, CSFNSM and Messina U. and INFN, Catania\)](#), [G. Giardina \(Messina U. and INFN, Catania\)](#), [A.K. Nasirov \(Dubna, JINR and Tashkent, IYF\)](#), [A. Sobiczewski \(Warsaw, Inst. Nucl. Studies\)](#)

e-Print: [1212.1557](#) [nucl-th]

DOI: [10.1103/PhysRevC.86.064607](#)

Published in: Phys.Rev.C 86 (2012), 064607

Measurement of η meson production in $\gamma\gamma$ interactions and $\Gamma(\eta \rightarrow \gamma\gamma)$ with the KLOE detector

KLOE-2 Collaboration • [D. Babusci \(Frascati\)](#) et al.

e-Print: [1211.1845](#) [hep-ex]

DOI: [10.1007/JHEP01\(2013\)119](#)

Published in: JHEP 01 (2013), 119

Limit on the production of a light vector gauge boson in ϕ meson decays with the KLOE detector

KLOE-2 Collaboration • [D. Babusci \(Frascati\)](#) et al.

e-Print: [1210.3927](#) [hep-ex]

DOI: [10.1016/j.physletb.2013.01.067](#)

Published in: Phys.Lett.B 720 (2013), 111-115

Measurement of $\Gamma(\eta \rightarrow \pi^+\pi^-\gamma)\Gamma(\eta \rightarrow \pi^+\pi^-\pi^0)$ with the KLOE Detector

KLOE Collaboration • [D. Babusci \(Frascati\)](#) et al.

e-Print: [1209.4611](#) [hep-ex]

DOI: [10.1016/j.physletb.2012.11.032](#)

Published in: Phys.Lett.B 718 (2013), 910-914

What perspectives for the synthesis of heavier superheavy nuclei? Results and comparison with models

[G. Mandaglio \(Messina U. and INFN, Catania and Catania, CSFNSM\)](#), [A.K. Nasirov \(Dubna, JINR and Tashkent, IYF\)](#), [F. Curciarello \(Messina U. and INFN, Catania\)](#), [V. De Leo \(Messina U. and INFN, Catania\)](#), [M. Romaniuk \(Messina U. and INFN, Catania\)](#) et al.

e-Print: [1208.5363](#) [nucl-th]

DOI: [10.1088/1742-6596/420/1/012008](#)

Published in: J.Phys.Conf.Ser. 420 (2013), 012008

Experimental evidence of the ^6He level at $E^* = 18.3$ MeV by the $^4\text{He} + ^3\text{H}$ three-body reaction

[O.M. Povoroznyk \(Kiev, INR\)](#), [O.K. Gorpinich \(Kiev, INR\)](#), [O.O. Jachmenjov \(Kiev, INR\)](#), [H.V. Mokhnach \(Kiev, INR\)](#), [O. Ponkratenko \(Kiev, INR\)](#) et al.

e-Print: [1205.2063](#) [nucl-ex]

DOI: [10.1103/PhysRevC.85.064330](#)

Published in: Phys.Rev.C 85 (2012), 064330

Results from polarized experiments at LEGS and GRAAL

[A. D'Angelo](#) (Rome U. and INFN, Rome), [K. Ardashev](#) (Virginia U. and South Carolina U.), [C. Bade](#) (Ohio U.), [O. Bartalini](#) (Rome U. and INFN, Rome), [V. Bellini](#) (Catania U. and INFN, Catania) et al.

DOI: [10.1063/1.3701189](https://doi.org/10.1063/1.3701189)

Published in: AIP Conf.Proc. 1432 (2012) 1, 56-61

KLOE results on hadronic cross section

KLOE and KLOE-2 Collaborations • Giuseppe Mandaglio ([Messina U.](#) and [INFN, Catania](#)) for the collaborations.

DOI: [10.1088/1742-6596/349/1/012013](https://doi.org/10.1088/1742-6596/349/1/012013)

Published in: J.Phys.Conf.Ser. 349 (2012), 012013

Complete photo-production experiments

[A. D'Angelo](#) (Rome U., Tor Vergata and INFN, Rome2), [K. Ardashev](#) (Virginia U. and South Carolina U.), [C. Bade](#) (Ohio U.), [O. Bartalini](#) (Rome U., Tor Vergata and INFN, Rome2), [V. Bellini](#) (Catania U. and INFN, LNS) et al.

DOI: [10.1063/1.3647092](https://doi.org/10.1063/1.3647092)

Published in: AIP Conf.Proc. 1374 (2011) 1, 17-22

Quasifission and Fusion-Fission Competition in $^{32}\text{S} + ^{184}\text{W}$ Reaction

H.Q. Zhang, C.L. Zhang, C.J. Lin, Z.H. Liu, [F. Yang](#) et al.

DOI: [10.1051/epjconf/20111704002](https://doi.org/10.1051/epjconf/20111704002)

Published in: EPJ Web Conf. 17 (2011), 04002

Search for a vector gauge boson in ϕ meson decays with the KLOE detector

KLOE-2 Collaboration • [F. Archilli](#) (Rome U., Tor Vergata and INFN, Rome2) et al.

e-Print: [1110.0411](https://arxiv.org/abs/1110.0411) [hep-ex]

DOI: [10.1016/j.physletb.2011.11.033](https://doi.org/10.1016/j.physletb.2011.11.033)

Published in: Phys.Lett.B 706 (2012), 251-255

Effects of the entrance channel and fission barrier in synthesis of superheavy element $Z=120$

[A.K. Nasirov \(Dubna, JINR and Tashkent, IYF\)](#), [G. Mandaglio \(Messina U. and INFN, Catania\)](#), [G. Giardina \(Messina U. and INFN, Catania\)](#), [A. Sobiczewski \(Warsaw, Inst. Nucl. Studies\)](#), [A.I. Muminov \(Tashkent, IYF\)](#)

e-Print: [1109.2013](#) [nucl-th]

DOI: [10.1103/PhysRevC.84.044612](#)

Published in: Phys.Rev.C 84 (2011), 044612

The high-lying ^6Li levels at excitation energy around 21 MeV

Orest Povoroznyk, Olga K. Gorpnich, Olexiy O. Jachmenjov, Hanna V. Mokhnach, Oleg Ponkratenko et al.

e-Print: [1107.2065](#) [nucl-ex]

DOI: [10.1143/JPSJ.80.094204](#)

Published in: J.Phys.Soc.Jap. 80 (2011), 094204

Investigation of the quasifission process by theoretical analysis of experimental data of fissionlike reaction products

[G Giardina \(Messina U. and INFN, LNS\)](#), [A K Nasirov \(Dubna, JINR and Tashkent, IYF\)](#), [G Mandaglio \(Messina U. and INFN, LNS\)](#), [F Curciarello \(Messina U. and INFN, LNS\)](#), [V De Leo \(Messina U. and INFN, LNS\)](#) et al.

e-Print: [1103.6142](#) [nucl-th]

DOI: [10.1088/1742-6596/282/1/012006](#)

Published in: J.Phys.Conf.Ser. 282 (2011), 012006

KLOE measurement of the $\sigma(e^+ e^- \rightarrow \pi^+ \pi^- \gamma)$ and its contribution to the muon anomaly evaluation

KLOE and KLOE-2 Collaborations • Giuseppe Mandaglio ([Messina U.](#) and [INFN, Catania](#)) for the collaborations.

DOI: [10.22323/1.150.0056](#)

Published in: PoS STORI11 (2011), 056

Beam asymmetry Σ measurements on the π^- photoproduction off neutrons

Graal Collaboration • G. Mandaglio ([Messina U.](#) and [INFN, Catania](#)) et al.

e-Print: [1010.1715](#) [nucl-ex]

DOI: [10.1103/PhysRevC.82.045209](#)

Published in: Phys.Rev.C 82 (2010), 045209

Bremsstrahlung emission of high energy accompanying spontaneous fission of Cf-252

[S.P. Maydanyuk](#) ([Kiev, INR](#)), [V.S. Olkhovsky](#) ([Kiev, INR](#)), [G. Mandaglio](#) ([Messina U.](#) and [INFN, Catania](#)), [M. Manganaro](#) ([Messina U.](#) and [INFN, Catania](#)), [G. Fazio](#) ([Messina U.](#) and [INFN, Catania](#)) et al.

DOI: [10.1103/PhysRevC.82.014602](#)

Published in: Phys.Rev.C 82 (2010), 014602

Limits on light-speed anisotropies from Compton scattering of high-energy electrons

[J.-P. Bocquet](#) ([LPSC, Grenoble](#)), [D. Moricciani](#) ([INFN, Rome](#)), [V. Bellini](#) ([INFN, Catania](#) and [Catania U.](#)), [M. Beretta](#) ([Frascati](#)), [L. Casano](#) ([INFN, Rome](#)) et al.

e-Print: [1005.5230](#) [hep-ex]

DOI: [10.1103/PhysRevLett.104.241601](#)

Published in: Phys.Rev.Lett. 104 (2010), 241601

BREMSSTRAHLUNG EMISSION ACCOMPANYING DECAYS AND SPONTANEOUS FISSION OF HEAVY NUCLEI

[S.P. Maydanyuk](#) ([Kiev, INR](#)), [V.S. Olkhovsky](#) ([Kiev, INR](#)), [G. Mandaglio](#) ([Messina U.](#)), [M. Manganaro](#) ([Messina U.](#)), [G. Fazio](#) ([Messina U.](#)) et al.

DOI: [10.1142/s0218301310015667](#)

Published in: Int.J.Mod.Phys.E 19 (2010) 05n06, 1189-1196

Studies of heavy ion reactions around Coulomb barrier

[H.Q. Zhang](#), [C.L. Zhang](#), [H.M. Jia](#), [C.J. Lin](#), [F. Yang](#) et al.

DOI: [10.1063/1.3442631](#)

Published in: AIP Conf.Proc. 1235 (2010) 1, 50

A new limit on the light speed isotropy from the GRAAL experiment at the ESRF

[V.G. Gurzadyan](#), [V. Bellini](#), [M. Beretta](#), [J.-P. Bocquet](#), [A. D'Angelo](#) et al.

e-Print: [1004.2867](#) [physics.acc-ph]

DOI: [10.1142/9789814374552_0255](#)

Published in: Proc. 12th M.Grossmann Meeting on General Relativity, v.B, p.1495, World Sci., 2012

omega photoproduction at GRAAL

[V. Vegna](#), [V. Bellini](#), [J.P. Bocquet](#), [L. Casano](#), [A. D'Angelo](#) et al.

DOI: [10.1142/S0218301310015734](#)

Published in: Int.J.Mod.Phys.E 19 (2010), 1241-1248

BEAM ASYMMETRY Σ OF THE π -PHOTOPRODUCTION OFF NEUTRON

[G. Mandaglio](#), [V. BELLINI](#), [J.P. BOCQUET](#), [L. CASANO](#), [A. D'ANGELO](#) et al.

DOI: [10.1142/S0218301310015412](https://doi.org/10.1142/S0218301310015412)

Published in: Int.J.Mod.Phys.E 19 (2010) 05n06, 965-976

Data analysis and event identification of the $\gamma + n \rightarrow \pi^- + p$ reaction

[G. Mandaglio](#) ([Messina U.](#) and [INFN, Catania](#)), [M. Manganaro](#) ([Messina U.](#) and [INFN, Catania](#)), [G. Giardina](#) ([Messina U.](#) and [INFN, Catania](#)), [R. Di Salvo](#) ([INFN, Rome2](#)), [A. Fantini](#) ([INFN, Rome2](#) and [Rome U., Tor Vergata](#)) et al.

Published in: Acta Phys.Polon.B 41 (2010), 399-404

Preliminary results on eta-prime photoproduction at GRAAL

[M. Manganaro](#), [V. Bellini](#), [J.P. Bocquet](#), [L. Casano](#), [A. D'Angelo](#) et al.

DOI: [10.1142/S0218301310015643](https://doi.org/10.1142/S0218301310015643)

Published in: Int.J.Mod.Phys.E 19 (2010), 1177-1182

Photoproduction of $\pi^0 \pi^+$ on the proton and deuteron at $E(\gamma) = 0.7\text{-GeV} - 1.5\text{-GeV}$

[A. Mushkarenkov](#) ([INFN, Pavia](#) and [Moscow, INR](#)), [V. Bellini](#) ([Catania U.](#) and [INFN, Catania](#)), [J.P. Bocquet](#) ([LPSC, Grenoble](#) and [Grenoble, INP](#)), [L. Casano](#) ([LPSC, Grenoble](#) and [Grenoble, INP](#)), [A. D'Angelo](#) ([INFN, Rome2](#) and [LPSC, Grenoble](#) and [Grenoble, INP](#)) et al.

DOI: [10.1142/S0218301310015679](https://doi.org/10.1142/S0218301310015679)

Published in: Int.J.Mod.Phys.E 19 (2010), 1197-1204

Mechanisms producing fissionlike binary fragments in heavy collisions

[A.K. Nasirov](#) ([Dubna, JINR](#)), [G. Giardina](#) ([Messina U.](#) and [INFN, Catania](#)), [G. Mandaglio](#) ([Messina U.](#) and [INFN, Catania](#)), [M. Manganaro](#) ([Messina U.](#) and [INFN, Catania](#)), [A.I. Muminov](#) ([Tashkent, IYF](#))

e-Print: [0912.2220](https://arxiv.org/abs/0912.2220) [nucl-th]

DOI: [10.1142/S0218301310015448](https://doi.org/10.1142/S0218301310015448)

Published in: Int.J.Mod.Phys.E 19 (2010), 997-1008

Measurement of Sigma beam asymmetry in π^0 photoproduction off the neutron in the second and third resonances region

[R. Di Salvo \(INFN, Rome2\)](#), [A. Fantini \(INFN, Rome2 and Rome U., Tor Vergata\)](#), [G. Mandaglio \(INFN, Catania and Messina U.\)](#), [F. Mammoliti \(INFN, Catania and Catania U.\)](#), [O. Bartalini \(Frascati and Rome U., Tor Vergata\)](#) et al.

DOI: [10.1140/epja/i2009-10870-x](#)

Published in: Eur.Phys.J.A 42 (2009), 151-157

Quasifission and difference in formation of evaporation residues in the O-16 + W-184 and F-19 + Ta-181 reactions

[A.K. Nasirov \(Dubna, JINR and Tashkent, IYF\)](#), [G. Mandaglio \(Messina U. and INFN, Catania\)](#), [M. Manganaro \(Messina U. and INFN, Catania\)](#), [A.I. Muminov \(Tashkent, IYF\)](#), [G. Fazio \(Messina U. and INFN, Catania\)](#) et al.

e-Print: [0908.1957 \[nucl-th\]](#)

DOI: [10.1016/j.physletb.2010.02.018](#)

Published in: Phys.Lett.B 686 (2010), 72-77

Competition between fusion-fission and quasifission processes in S-32 + W-184 reaction

[H.Q. Zhang \(Beijing, Inst. Atomic Energy\)](#), [C.L. Zhang \(Beijing, Inst. Atomic Energy\)](#), [C.J. Lin \(Beijing, Inst. Atomic Energy\)](#), [Z.H. Liu \(Beijing, Inst. Atomic Energy\)](#), [F. Yang \(Beijing, Inst. Atomic Energy\)](#) et al.

DOI: [10.1016/j.nuclphysa.2009.12.040](#)

Published in: Nucl.Phys.A 834 (2010), 201C-204C

Competition between fusion-fission and quasifission processes in S-32 + W-184 reaction

[H.Q. Zhang \(Beijing, Inst. Atomic Energy\)](#), [C.L. Zhang \(Beijing, Inst. Atomic Energy\)](#), [C.J. Lin \(Beijing, Inst. Atomic Energy\)](#), [Z.H. Liu \(Beijing, Inst. Atomic Energy\)](#), [F. Yang \(Beijing, Inst. Atomic Energy\)](#) et al.

e-Print: [0906.0880 \[nucl-th\]](#)

DOI: [10.1103/PhysRevC.81.034611](#)

Published in: Phys.Rev.C 81 (2010), 034611

Bremsstrahlung emission accompanying alpha-decay of deformed nuclei

[S.P. Maydanyuk](#), [V.S. Olkhovsky](#), [G. Giardina](#), [G. Fazio](#), [G. Mandaglio](#) et al.

DOI: [10.1016/j.nuclphysa.2009.03.007](#)

Published in: Nucl.Phys.A 823 (2009), 38-46

Latest results from GRAAL collaboration

[V. Vegna](#) ([Rome U., Tor Vergata](#) and [INFN, Rome2](#)), [V. Bellini](#) ([Catania U.](#) and [INFN, Catania](#)), [J.P. Bouquet](#) ([LPSC, Grenoble](#)), [L. Casano](#) ([INFN, Rome2](#)), [A. D'Angelo](#) ([Rome U., Tor Vergata](#) and [INFN, Rome2](#)) et al.

DOI: [10.1088/1674-1137/33/12/032](#)

Published in: *Chin.Phys.C* 33 (2009), 1249-1253

Charged particle detection at GRAAL

[F. Mammoliti](#), [V. Bellini](#), [A. Giusa](#), [C. Randieri](#), [G. Russo](#) et al.

DOI: [10.1080/10420150902811698](#)

Published in: *Radiat.Eff.Def.Solids* 164 (2009) 5-6, 357-362

Vertex identification of events in photonuclear reactions by cylindrical multiwire proportional chambers

[G. Mandaglio](#), [M. Manganaro](#), [G. Giardina](#), [V. Bellini](#), [A. Giusa](#) et al.

DOI: [10.1080/10420150902809551](#)

Published in: *Radiat.Eff.Def.Solids* 164 (2009) 5-6, 325-329

Quasifission and fusion-fission in massive nuclei reactions. Comparison of reactions leading to the Z=120 element

[A.K. Nasirov](#) ([Dubna, JINR](#)), [G. Giardina](#) ([INFN, Catania](#) and [Messina U.](#)), [G. Mandaglio](#) ([INFN, Catania](#) and [Messina U.](#)), [M. Manganaro](#) ([INFN, Catania](#) and [Messina U.](#)), [F. Hanappe](#) ([Brussels U.](#)) et al.

e-Print: [0812.4410](#) [nucl-th]

DOI: [10.1103/PhysRevC.79.024606](#)

Published in: *Phys.Rev.C* 79 (2009), 024606

Role of the target orientation angle and orbital angular momentum in the evaporation residue production

[Giovanni Fazio](#) ([INFN, Catania](#) and [Messina U.](#)), [Giorgio Giardina](#) ([INFN, Catania](#) and [Messina U.](#)), [Francis Hanappe](#) ([Brussels U.](#)), [Giuseppe Mandaglio](#) ([INFN, Catania](#) and [Messina U.](#)), [Marina Manganaro](#) ([INFN, Catania](#) and [Messina U.](#)) et al.

e-Print: [0809.3685](#) [nucl-th]

DOI: [10.1143/JPSJ.77.124201](#)

Published in: *J.Phys.Soc.Jap.* 77 (2008), 124201

First measurement of the Sigma beam asymmetry in eta photoproduction on the neutron

[A. Fantini](#) (Rome U., Tor Vergata and [INFN, Rome2](#)), [R. Di Salvo](#) ([INFN, Rome2](#)), [O. Bartalini](#) ([Frascati](#)), [V. Bellini](#) ([Catania U.](#) and [INFN, Catania](#)), [J.P. Bocquet](#) ([LPSC, Grenoble](#)) et al.

DOI: [10.1103/PhysRevC.78.015203](#)

Published in: Phys.Rev.C 78 (2008), 015203

Measurement of beam-recoil observables $O(x)$, $O(z)$ and target asymmetry for the reaction $\gamma p \rightarrow K^+ \Lambda$

GRAAL Collaboration • [A. Lleres](#) ([LPSC, Grenoble](#)) et al.

e-Print: [0807.3839](#) [nucl-ex]

DOI: [10.1140/epja/i2008-10713-4](#)

Published in: Eur.Phys.J.A 39 (2009), 149-161

Bremsstrahlung emission accompanying the α -decay of ^{214}Po

[G. Giardina](#) ([Messina U.](#)), [G. Fazio](#) ([Messina U.](#)), [G. Mandaglio](#) ([Messina U.](#)), [M. Manganaro](#) ([Messina U.](#)), [C. Saccá](#) ([Messina U.](#)) et al.

DOI: [10.1140/epja/i2007-10548-5](#)

Published in: Eur.Phys.J.A 36 (2008) 1, 31-36

Bremsstrahlung emission during alpha-decay of Ra-226

[Giorgio Giardina](#) ([INFN, Catania](#) and [Messina U.](#)), [Giovanni Fazio](#) ([INFN, Catania](#) and [Messina U.](#)), [Giuseppe Mandaglio](#) ([INFN, Catania](#) and [Messina U.](#)), [Marina Manganaro](#) ([INFN, Catania](#) and [Messina U.](#)), [Serghei P. Maydanyuk](#) ([Kiev, INR](#)) et al.

e-Print: [0804.2640](#) [nucl-ex]

DOI: [10.1142/S0217732308027369](#)

Published in: Mod.Phys.Lett.A 23 (2008), 2651-2663

Measurement of eta photoproduction on the proton from threshold to 1500-MeV

GRAAL Collaboration • [O. Bartalini](#) ([Rome U., Tor Vergata](#) and [INFN, Italy](#)) et al.

e-Print: [0707.1385](#) [nucl-ex]

DOI: [10.1140/epja/i2007-10439-9](#)

Published in: Eur.Phys.J.A 33 (2007), 169-184

Angular anisotropy of the fusion-fission and quasifission fragments

[A.K. Nasirov](#) ([Dubna, JINR](#) and [Tashkent, IYF](#)), [A.I. Muminov](#) ([Tashkent, IYF](#)), [R.K. Utamuratov](#) ([Tashkent, IYF](#)), [G. Fazio](#) ([INFN, Catania](#) and [Messina U.](#) and [Brussels U.](#) and [Giessen U.](#)), [G. Giardina](#) ([INFN, Catania](#) and [Messina U.](#) and [Brussels U.](#) and [Giessen U.](#)) et al.

e-Print: [0705.2748](https://arxiv.org/abs/0705.2748) [nucl-th]

DOI: [10.1140/epja/i2007-10504-5](https://doi.org/10.1140/epja/i2007-10504-5)

Published in: Eur.Phys.J.A 34 (2007), 325-339

Meson photoproduction on the nucleon with polarized photons

GRAAL Collaboration • [Annalisa D'Angelo](#) et al.

DOI: [10.1140/epja/i2006-10272-8](https://doi.org/10.1140/epja/i2006-10272-8)

Published in: Eur.Phys.J.A 31 (2007), 441-445

Role of the nuclear shell structure and orientation angles of deformed reactants in complete fusion

[A.K. Nasirov](#) (Tashkent, IYF and Dubna, JINR), [A. Muminov](#) (Tashkent, IYF and Dubna, JINR), [R.K. Utamuratov](#) (Tashkent, IYF and Dubna, JINR), [Y. Aritomo](#) (Konan U.), [A. Fukushima](#) (Konan U.) et al.

DOI: [10.1142/S0218301306004144](https://doi.org/10.1142/S0218301306004144)

Published in: Int.J.Mod.Phys.E 15 (2006), 311-317

Strong influence of the entrance channel on the formation of compound nuclei Th216,222* and their evaporation residues

[G. Fazio](#) (Catania U. and Messina U.), [G. Giardina](#) (Catania U. and Messina U.), [G. Mandaglio](#) (Catania U. and Messina U.), [R. Ruggeri](#) (Catania U. and Messina U.), [A.I. Muminov](#) (Peking U., Heavy Ion Phys.) et al.

DOI: [10.1103/PhysRevC.72.064614](https://doi.org/10.1103/PhysRevC.72.064614)

Published in: Phys.Rev.C 72 (2005), 064614

Comunicazioni a Conferenza

- 1) **G. Mandaglio** on behalf of EEE collaboration “*A simulation tool for MRPC telescopes of the EEE project*” International RPC20, Roma, 10 Febbraio, 2020.
- 2) **G. Mandaglio** on behalf of EEE collaboration “*MPRC telescope simulation for the Extreme Energy Events experiment*” International Workshop DeSyT2019, Messina, 11 Settembre, 2019.
- 3) **G. Mandaglio** on behalf of KLOE-KLOE2 collaboration “*KLOE/KLOE-2 results and perspectives on dark force search*” The International Conference EPS-HEP, Venezia, Italia, 5 Luglio, 2017.

- 4) **G. Mandaglio** on behalf of KLOE-KLOE2 collaboration “Measurement around rho-omega resonances at KLOE” 3rd Resonance Workshop, Bergamo, Italia, 10 Ottobre, 2017
- 5) **G. Mandaglio** Seminario divulgativo “Appunti di Fisica 2016” , “ROOT: Ambiente software per l’analisi dei dati e non solo”, Messina, 11 Maggio 2016
- 6) **G. Mandaglio** on behalf of KLOE-KLOE2 collaboration “Measurement of the running of the fine structure constant and gamma-gamma physics at KLOE” The International Workshop Tau2016, Beijing, Cina, 19 Settembre, 2016.
- 7) **G. Mandaglio** on behalf of KLOE-KLOE2 collaboration “Pion form factor measurement and gamma gamma physics at KLOE” The International Conference PHOTON 2015, Novosibirsk, Russia, from 15 to 19 June, 2015.
- 8) **G. Mandaglio** on behalf of GRAAL collaboration “eta and eta' photoproduction off proton at Graal” International Conference Dark Matter, Hadron Physics and Fusion Physics, Messina-Italy, September 24-26 2014.
- 9) **G. Mandaglio** on behalf of KLOE2 collaboration “Results and prospects on hadronic cross section and $\gamma\gamma$ physics at KLOE/KLOE2” the 13th International Workshop on Tau Lepton Physics (TAU2014), Aachen- Germany, September 15-19 2014.
- 10) **G. Mandaglio** on behalf of GRAAL collaboration “eta' photoproduction at Graal” Workshop on Exciting Baryons, Trento - Italy, 30 June 4 July 2014.
- 11) **G. Mandaglio** on behalf of GRAAL collaboration “Beam asymmetries of eta' photoproduction off proton at Graal” Lepton and Hadron Physics at Meson Factories, Messina, 13-15 October 2013.
- 12) **G. Mandaglio** on behalf of GRAAL collaboration “Beam asymmetries measurements on eta' photoproduction off proton at Graal experiment” MENU2013, Rome, 30 September 5 October 2013.
- 13) **G. Mandaglio** on behalf of KLOE-KLOE2 collaboration “Precision measurements of the $e^+e^- \rightarrow \pi^+\pi^-(\gamma)$ cross section with the KLOE detector” TAU2012 -the 12th International Workshop on Tau Lepton Physics, Nagoya, Japan, 17-21 September, 2012.
- 14) **G. Mandaglio** on behalf of KLOE-KLOE2 collaboration “KLOE measurement of adronic cross section” International Workshop “Meson Production at Intermediate and High Energies” , Messina 10-11 November 2012.
- 15) **G. Mandaglio** “Simulazione di dati sperimentali nella fisica delle particelle” Workshop “Appunti di Fisica Teorica”, Messina 17 Maggio 2012.
- 16) **G. Mandaglio** on behalf of KLOE-KLOE2 collaboration “KLOE measurement of the $\sigma(e^+e^- \rightarrow \pi^+\pi^-(\gamma))$ with Initial State Radiation and its contribution to the muon ($g-2$)” 8th International Conference on Nuclear Physics at Storage Rings – STORI'11, INFN-LNF Frascati (Italy) 2011.
- 17) **G. Mandaglio** “Reazioni Nucleari su nucleoni e Nuclei” Giornata della Ricerca-Università di Messina 15 Luglio 2010.
- 18) **G. Mandaglio** et al., “Data analysis and event identification of the $\gamma+n \rightarrow \pi^- + p$ reaction” , XXXI Mazurian Lake Conference “Nuclear Physics and the road to FAIR”, August 30 – September, 6 2009 Piaski Poland.
- 19) **G. Mandaglio** et al., “Beam Asymmetry Σ and invariant mass measurement on the π photoproduction” International Conference “Nuclear Reactions on Nucleons and Nuclei” Messina 5-9 Ottobre 2009.

- 20) **G. Mandaglio**, M. Manganaro, G. Fazio, G. Giardina, A.I. Muminov, A. K. Nasirov “*Influence of the projectile-target orientation angles on the production of residue nuclei*” NPAE-Kyiv, 9-15 Giugno 2008.
- 21) **G. Mandaglio**, M. Manganaro, G. Fazio, G. Giardina, C. Saccà, S.P. Maydanyuk, V.S. Olkhovsky, N. V. Eremin, A. A. Paskhalov, D. A. Smirnov: “*Bremsstrahlung Radiation Accompanying the α -Decay of Heavy Nuclei*”, CHERNE, Favignana 25-28 Maggio 2008.
- 22) **G. Mandaglio**, M. Manganaro, G. Fazio, G. Giardina, C. Saccà, A.I. Muminov, and A.K. Nasirov: “*Role of the Orientation Angles of Reacting Nuclei on the Evaporation Residue Production*”, CHERNE, Favignana 25-28 Maggio 2008.
- 23) **G. Mandaglio**, M. Manganaro, G. Giardina, V. Bellini, A. Giusa, M. Mammoliti, C. Randieri, G. Russo, M.L. Sperduto, C. Sutura, A. D’Angelo, R. Di Salvo, A. Fantini, D. Franco, D. Moricciani, C. Schaerf, V. Vegna, J.P. Bocquet, A. Lleres, D. Rebreyend, F. Renard: “*Vertex Identification of Events in Photonuclear Reactions by Multiwire Proportional Cylindrical Chambers*”, CHERNE, Favignana 25-28 Maggio 2008.
- 24) **G. Mandaglio**, G. Fazio, G. Giardina, F. Hanappe, M. Manganaro, A. I. Muminov, A. K. Nasirov, C. Saccà, “*Investigation of the role of the projectile-target orientation angles on the evaporation residue production*”, 58 Meeting On Nuclear Spectroscopy And Nuclear Structure, Russia, Moscow, June 23 - 27, 2008.
- 25) **G. Mandaglio**, M. Manganaro, G. Fazio, G. Giardina, A.K. Nasirov, C. Saccà: “*Aspettative per la reazione $^{136}\text{Xe} + ^{136}\text{Xe}$ di produrre l'elemento superpesante Hassium in confronto alla reazione $^{26}\text{Mg} + ^{248}\text{Cm}$* ”; XCIV Congresso SIF, Genova, 22-27 Settembre, 2008, book-abstract pag.221.